STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 117010

TO: Phillip Gambel
Location: 3e81 / 3c70
Monday, March 22, 2004
Art Unit: 1644
Phone: 272-0844
Serial Number: 09 / 627896

From: Jan Delaval
Location: Biotech-Chem Library
Rem 1A51
Phone: 272-2504

jan.delaval@uspto.gov

Search Notes

SEARCH REQUEST FORM 117010

Requestor's
Name: _____

Serial
Number: _____

Date: _____ Phone: _____ Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).

STAFF USE ONLY

Date completed: ___3/12/04___

Searcher: ___a___

Terminal time: _____

Elapsed time: ___20 + 15___

CPU time: _____

Total time: _____

Number of Searches: _____

Number of Databases: _____

Search Site

___✓___ STIC

_____ CM-1

_____ Pre-S

Type of Search

___✓___ N.A. Sequence

___✓___ A.A. Sequence

_____ Structure

_____ Bibliographic

Vendors

_____ IG

_____ STN

_____ Dialog

_____ APS

_____ Geninfo

_____ SDC

_____ DARC/Questel

___c___ Other

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OM protein - protein search, using sw model

          Copyright (c) 1993 - 2004 Compugen Ltd.

          GenCore version 5.1.6

Run on:   March 18, 2004, 16:12:40 ; Search time 36.9101 Seconds
                                      (without alignments)
                                      947.138 Million cell updates/sec

Title:    US-09-627-896B-6
Perfect score: 720
Sequence: 1 MGWNCIIFFLVTTATGVHSQ.........ARAAWYMDYWGQGTLVTVSS 135

Scoring table: BLOSUM62
          Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 25895339 residues

Total number of hits satisfying chosen parameters:      1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :     Published Applications AA:*
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         18:  /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	720	100.0	135	9	US-09-249-011A-6	Sequence 6, Appli
2	720	100.0	461	9	US-09-249-011A-24	Sequence 24, Appl
3	627	87.1	135	9	US-09-249-011A-2	Sequence 2, Appli
4	585.5	81.3	470	14	US-10-216-484-147	Sequence 147, App
5	585.5	81.3	470	14	US-10-388-933-147	Sequence 147, App
6	582.5	80.9	470	14	US-10-216-484-143	Sequence 143, App
7	582.5	80.9	470	14	US-10-384-933-143	Sequence 143, App
8	581.5	80.8	470	14	US-10-216-484-145	Sequence 145, App
9	581.5	80.8	470	14	US-10-384-933-145	Sequence 145, App
10	579.5	80.5	470	14	US-10-216-484-117	Sequence 117, App
11	579.5	80.5	470	14	US-10-384-933-117	Sequence 117, App
12	567.5	78.8	470	14	US-10-216-484-157	Sequence 157, App
13	567.5	78.8	470	14	US-10-384-933-157	Sequence 157, Appl
14	566.5	78.7	145	14	US-10-216-484-75	Sequence 75, Appl
15	566.5	78.7	145	14	US-10-384-933-75	Sequence 75, Appl
16	566.5	78.7	470	14	US-10-216-484-89	Sequence 89, Appl
17	566.5	78.7	470	14	US-10-384-933-89	Sequence 89, Appl
18	563.5	78.3	140	15	US-10-366-709-48	Sequence 48, Appl
19	559.5	77.7	134	14	US-10-160-506-27	Sequence 27, Appl
20	551.5	76.6	140	15	US-10-366-709-50	Sequence 50, Appl
21	547	76.0	515	9	US-09-825-012-66	Sequence 66, Appl
22	547	76.0	517	9	US-09-825-012-38	Sequence 38, Appl
23	547	76.0	519	9	US-09-825-012-76	Sequence 76, Appl
24	547	76.0	519	9	US-09-825-012-80	Sequence 80, Appl
25	547	76.0	521	9	US-09-825-012-71	Sequence 71, Appl
26	547	76.0	525	9	US-09-825-012-85	Sequence 85, Appl
27	547	76.0	527	9	US-09-825-012-43	Sequence 43, Appl
28	547	76.0	529	9	US-09-825-012-95	Sequence 95, Appl
29	547	76.0	531	9	US-09-825-012-90	Sequence 90, Appl
30	547	76.0	729	9	US-09-825-012-52	Sequence 52, Appl
31	547	76.0	730	9	US-09-825-012-49	Sequence 49, Appl
32	547	76.0	731	9	US-09-825-012-46	Sequence 46, Appl
33	547	76.0	739	9	US-09-825-012-61	Sequence 61, Appl
34	547	76.0	740	9	US-09-825-012-58	Sequence 58, Appl
35	547	76.0	741	9	US-09-825-012-55	Sequence 55, Appl
36	545	75.7	135	12	US-10-389-417-32	Sequence 32, Appl
37	545	75.7	135	15	US-10-389-155-32	Sequence 32, Appl
38	530.5	73.7	136	14	US-10-160-232-91	Sequence 91, Appl
39	530.5	73.7	140	14	US-10-283-349-63	Sequence 63, Appl
40	528.5	73.4	464	14	US-10-216-484-9	Sequence 9, Appli
41	528.5	73.4	464	14	US-10-384-933-9	Sequence 9, Appli
42	527	73.2	139	9	US-09-760-723-7	Sequence 7, Appli
43	527	73.2	139	9	US-09-355-925-7	Sequence 7, Appli
44	527	73.2	139	10	US-09-269-921-125	Sequence 125, App
45	527	73.2	139	10	US-09-509-098-50	Sequence 50, App

ALIGNMENTS

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RESULT 1
US-09-249-011A-6
; Sequence 6, Application US/09249011A
; Patent No. US20020176685A1
; GENERAL INFORMATION:
;  APPLICANT: CO, MAN SUNG
;  APPLICANT: VASQUEZ, MAXIMILIANO
;  APPLICANT: CARRENO, BEATRIZ
;  APPLICANT: CELNIKER, ABBIE CHERYL
;  APPLICANT: COLLINS, MARY
;  APPLICANT: GOLDMAN, SAMUEL
;  APPLICANT: GRAY, GARY S.
;  APPLICANT: KNIGHT, ANDREA
;  APPLICANT: O'HARA, DENISE
;  APPLICANT: RUP, BONITA
;  APPLICANT: VELDMAN, GEERTRUIDA M.
;  TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
;  TITLE OF INVENTION: OF TREATMENT THEREWITH
;  FILE REFERENCE: 08702.0081-00000
;  CURRENT APPLICATION NUMBER: US/09/249,011A
;  CURRENT FILING DATE: 1999-02-12
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn Ver. 2.1
;
; SEQ ID NO 6
;  LENGTH: 135
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Description of Artificial Sequence: Humanized
;  OTHER INFORMATION: murine anti-human B7-2 heavy chain
US-09-249-011A-6

  Query Match             100.0%;  Score 720;  DB 9;  Length 135;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-58;
  Matches  135;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

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RESULT 2
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; Sequence 24, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-249-011A-24

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Matches 135;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

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RESULT 3
US-09-249-011A-2
; Sequence 2, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Murine sp.
; FEATURE:
; OTHER INFORMATION: Anti-B7-2 heavy chain
US-09-249-011A-2

Query Match   87.1%;   Score 627;   DB 9;   Length 135;
Best Local Similarity   84.4%;   Pred. No. 6.8e-50;
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RESULT 4
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; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976Alufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

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Qy  120 ---WYMDYWGQGTLVTVSS 135
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                    GenCore version 5.1.6
            Copyright (c) 1993 - 2004  Compugen Ltd.

OM protein - protein search, using sw model

Run on:      March 17, 2004, 06:06:31 ;  Search time 16.6854 Seconds
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                                  417.701 Million cell updates/sec

Title:        US-09-627-896B-6
Perfect score: 720
Sequence:      1 MGWNCIIFFLVTTATGVHSQ..........ARAAWYMDYWGQGTLVTVSS 135

Scoring table: BLOSUM62
               Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters:        389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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          6:  /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.
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SUMMARIES

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2	573.5	79.7	140	5	PCT-US93-11612-12	Sequence 12, Appl
3	545	75.7	135	1	US-07-634-278-19	Sequence 19, Appl
4	545	75.7	135	1	US-08-477-728-19	Sequence 19, Appl
5	545	75.7	135	1	US-08-474-040-19	Sequence 19, Appl
6	545	75.7	135	1	US-08-487-200-19	Sequence 19, Appl
7	545	75.7	135	2	US-08-303-569B-31	Sequence 31, Appl
8	545	75.7	135	3	US-08-484-537-19	Sequence 19, Appl
9	531.5	73.8	163	5	PCT-US91-02942-5	Sequence 5, Appli
10	530.5	73.7	140	3	US-08-836-561-63	Sequence 63, Appl
11	530.5	73.7	140	4	US-09-434-122-63	Sequence 63, Appl
12	530	73.6	467	2	US-07-916-098A-45	Sequence 45, Appl
13	529.5	73.5	136	5	PCT-US93-11611-11	Sequence 11, Appl
14	529.5	73.5	138	3	US-08-513-968-44	Sequence 44, Appli
15	529	73.5	139	1	US-08-656-586-8	Sequence 8, Appli
16	527	73.2	135	1	US-08-137-117D-102	Sequence 102, App
17	527	73.2	135	2	US-08-436-717-102	Sequence 102, App
18	527	73.2	139	4	US-09-355-925-7	Sequence 7, Appli
19	526	73.1	133	3	US-08-718-323A-8	Sequence 8, Appli
20	526	73.1	133	4	US-09-587-526-8	Sequence 8, Appli
21	525	72.9	139	1	US-08-253-877C-19	Sequence 19, Appl
22	525	72.9	139	2	US-08-452-164A-19	Sequence 19, Appl
23	525	72.9	139	3	US-08-603-024-18	Sequence 18, Appl
24	525	72.9	139	4	US-08-450-809-14	Sequence 14, Appl
25	523	72.6	139	4	US-09-355-925-8	Sequence 8, Appli
26	521	72.4	135	1	US-08-137-117D-100	Sequence 100, App
27	521	72.4	135	2	US-08-436-717-100	Sequence 100, App
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29	518.5			72.0	140	3	US-08-836-561-74	Sequence 74, Appl
30	518.5			72.0	140	4	US-09-434-122-74	Sequence 74, Appl
31	515.5			71.6	140	3	US-08-836-561-78	Sequence 78, Appl
32	515.5			71.6	140	4	US-09-434-122-78	Sequence 78, Appl
33	515			71.5	135	1	US-08-137-117D-112	Sequence 112, App
34	515			71.5	135	2	US-08-436-717-112	Sequence 112, App
35	511.5			71.0	136	4	US-08-525-539A-63	Sequence 63, Appl
36	508.5			70.6	143	5	PCT-US95-05262-7	Sequence 7, Appli
37	508.5			70.6	143	5	PCT-US95-05262-7	Sequence 7, Appli
38	507.5			70.5	140	3	US-08-836-561-83	Sequence 83, Appl
39	507.5			70.5	140	4	US-09-434-122-83	Sequence 83, Appl
40	506			70.3	472	4	US-09-301-593-43	Sequence 43, Appl
41	504.5			70.1	136	4	US-09-450-520A-8	Sequence 8, Appli
42	503.5			69.9	140	1	US-07-946-421-28	Sequence 28, Appl
43	501.5			69.7	123	1	US-08-482-882-53	Sequence 53, Appl
44	501.5			69.7	123	2	US-08-483-389-53	Sequence 53, Appl
45	501.5			69.7	123	2	US-08-487-113D-53	Sequence 53, Appl

ALIGNMENTS

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RESULT 1
US-08-579-378A-12

;  Sequence 12, Application US/08579378A
;  Patent No. 6210671
;  GENERAL INFORMATION:
;    APPLICANT:  Co, Man Sung
;    TITLE OF INVENTION:  Humanized Antibodies Reactive with
;    TITLE OF INVENTION:  L-Selectin
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew
;      STREET:  One MarketPlaza, Steuart Tower, Suite 2000
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94105
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0,  Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/579,378A
;      FILING DATE:  27-DEC-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/160,074
;      FILING DATE:  30-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/983,946
;      FILING DATE:  01-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 95112895.8
;      FILING DATE:  17-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 95114696.8
;      FILING DATE:  19-SEP-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Liebescheutz, Joe O.
;      REGISTRATION NUMBER:  37,505
;      REFERENCE/DOCKET NUMBER:  11823-002220
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-326-2400
;      TELEFAX:  415-326-2422
;  INFORMATION FOR SEQ ID NO:    12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  140 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;      MOLECULE TYPE:  protein
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US-08-579-378A-12

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Query Match            79.7%;    Score 573.5; DB 3;  Length 140;
Best Local Similarity  78.6%;    Pred. No. 5.9e-50;
Matches 110;  Conservative   8;  Mismatches 17;  Indels   5;  Gaps   1;

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Qy   61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
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RESULT 2
PCT-US93-11612-12
; Sequence 12, Application PC/TUS9311612
; GENERAL INFORMATION:
;   APPLICANT: Co, Man Sung
;   TITLE OF INVENTION: Humanized Antibodies Reactive with
;   TITLE OF INVENTION: L-Selectin
;   NUMBER OF SEQUENCES: 12
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Townsend and Townsend Khourie and Crew
;   STREET: One Market Plaza, Steuart Tower, Suite 2000
;   CITY: San Francisco
;   STATE: California
;   COUNTRY: USA
;   ZIP: 94105
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: PCT/US93/11612
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/983,946
;   FILING DATE: 01-DEC-1992
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Smith, William M.
;   REGISTRATION NUMBER: 30,223
;   REFERENCE/DOCKET NUMBER: 11823-22
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 415-326-2400
;   TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 12:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 140 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
PCT-US93-11612-12

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Query Match            79.7%;    Score 573.5; DB 5;  Length 140;
Best Local Similarity  78.6%;    Pred. No. 5.9e-50;
Matches 110;  Conservative   8;  Mismatches 17;  Indels   5;  Gaps   1;

Qy    1 MGWNCIIFFLVTTATGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTDYAIQWVRQAP 60
        |||:||||||:||||||||||||||||||||||||||||||||||||||| : ||||||
Db    1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTSYRMHWVRQAP 60

Qy   61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
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Db   61 GQGLEWIGYIYPYNDGTKYNEKFKGRVTITSDESTNTAYMELSSLRSEDTAVYYCAREEY 120

Qy  121 -----YMDYWGQGTLVTVSS 135
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Db  121 GNYVRYFDVWGQGTLVTVSS 140
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Qy  121 -----YMDYWGQGTLVTVSS 135
             ||||||||||||||
Db  121 GNYVRYFDVWGQGTLVTVSS 140
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RESULT 3
US-07-634-278-19
; Sequence 19, Application US/07634278
; Patent No. 553101
; GENERAL INFORMATION:
;   APPLICANT: QUEEN, Cary L.
;   APPLICANT: CO, Man Sung
;   APPLICANT: SCHNEIDER, William P.
;   APPLICANT: LANDOLFI, Nicholas F.
;   APPLICANT: COELINGH, Kathleen L.
;   APPLICANT: SELICK, Harold E.
;   TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS
;   NUMBER OF SEQUENCES: 113
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Townsend and Townsend Khourie and Crew
;   STREET: 379 Lytton Avenue
;   CITY: Palo Alto
;   STATE: California
;   COUNTRY: US
;   ZIP: 94301
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/07/634,278
;   FILING DATE: 19-DEC-1990
;   CLASSIFICATION: 424
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/590,274
;   FILING DATE: 28-SEP-1990
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/310,252
;   FILING DATE: 13-FEB-1989
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/290,975
;   FILING DATE: 28-DEC-1988
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Smith, William M
;   REGISTRATION NUMBER: 30,223
;   REFERENCE/DOCKET NUMBER: 11823-002600
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 326-2400
;   TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 19:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 135 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-07-634-278-19

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Best Local Similarity  77.8%;    Pred. No. 3.9e-47;
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Db    1 MGWSWIFLFLLSGTAGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTSYRMHWVRQAP 60

Qy   61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
        ||||||||||||||||||||||:||:: : ||||||||||||||||||||||||||||
Db   61 GQGLEWIGYINPSTGYTEYNQKFKDKATITADESTNTAYMELSSLRSEDTAVYYCARGGG 120

Qy  121 YMDYWGQGTLVTVSS 135
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Db  121 VFDYWGQGTLVTVSS 135
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 16:12:40 ; Search time 36.0899 Seconds
                                        (without alignments)
                                        947.138 Million cell updates/sec

Title: US-09-627-896B-8
Perfect score: 681
Sequence: 1 MDSQAQVLILLLWVSGTCG.........YCTQSYNLYTFGQGTKVEIK 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
Listing first 45 summaries

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                7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
                8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
                9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep:*
               10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep:*
               11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
               12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
               13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
               14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
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               18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	681	100.0	132	9	US-09-249-011A-8	Sequence 8, Appl
2	677	99.4	239	9	US-09-249-011A-22	Sequence 22, Appl
3	629	92.4	132	9	US-09-249-011A-4	Sequence 4, Appl
4	555.5	81.6	240	9	US-09-799-514-8	Sequence 8, Appli
5	555	81.5	141	14	US-10-390-986-16	Sequence 16, Appl
6	554.5	81.4	264	15	US-10-264-049-4274	Sequence 4274, Ap
7	553.5	81.3	135	14	US-10-171-452A-1	Sequence 1, Appl
8	553.5	81.3	135	15	US-10-353-708-1	Sequence 1, Appli
9	547.5	80.4	240	14	US-10-159-006-36	Sequence 36, Appl
10	544.5	80.0	134	14	US-10-255-478-58	Sequence 58, Appl
11	525.5	77.2	133	14	US-10-159-006-24	Sequence 24, Appl
12	525.5	77.2	240	14	US-10-159-006-28	Sequence 28, Appl
13	522.5	76.7	174	15	US-10-104-047-3202	Sequence 3202, Ap
14	519.5	76.3	154	9	US-09-925-299-1226	Sequence 1226, Ap
15	519.5	76.3	154	10	US-09-925-299-1226	Sequence 1226, Ap
16	515	75.6	272	14	US-10-207-655-14	Sequence 14, Appl
17	515	75.6	272	14	US-10-053-530-14	Sequence 14, Appl
18	513.5	75.4	495	14	US-10-345-618-4	Sequence 4, Appl
19	505.5	74.2	211	15	US-10-264-049-4266	Sequence 4266, Ap
20	504.5	74.1	113	10	US-09-995-529-6	Sequence 6, Appli
21	504.5	74.1	113	14	US-10-121-464-6	Sequence 6, Appli
22	504.5	74.1	113	14	US-10-155-006-6	Sequence 6, Appli
23	504.5	74.1	113	14	US-10-159-006-34	Sequence 34, Appl
24	502.5	73.8	113	9	US-09-274-163E-16	Sequence 16, Appl
25	502.5	73.8	113	9	US-09-956-206A-80	Sequence 80, Appl
26	502.5	73.8	122	14	US-10-010-729-51	Sequence 51, Appl
27	502.5	73.8	155	14	US-10-345-618-11	Sequence 11, Appl
28	502.5	73.8	267	14	US-10-270-071-36	Sequence 36, Appl
29	502.5	73.8	268	14	US-10-270-071-32	Sequence 32, Appl
30	502.5	73.8	268	14	US-10-328-190-2	Sequence 2, Appli
31	502.5	73.8	268	14	US-10-328-190-4	Sequence 4, Appli
32	502.5	73.8	342	14	US-10-345-618-6	Sequence 6, Appli
33	500.5	73.5	113	14	US-10-121-464-2	Sequence 2, Appli
34	500.5	73.5	113	14	US-10-159-006-2	Sequence 2, Appli
35	500.5	73.5	113	14	US-10-159-006-32	Sequence 32, Appli
36	500.5	73.5	432	12	US-10-389-223A-10	Sequence 10, Appl
37	500.5	73.5	480	12	US-10-389-223A-4	Sequence 4, Appli
38	500.5	73.5	614	12	US-10-389-223A-2	Sequence 2, Appli
39	498.5	73.2	114	9	US-09-274-163E-2	Sequence 2, Appli
40	498.5	73.2	114	9	US-09-274-163E-6	Sequence 6, Appli
41	498.5	73.2	274	14	US-10-255-478-66	Sequence 66, Appl
42	498	73.1	113	14	US-10-270-071-8	Sequence 8, Appli
43	497.5	73.1	114	9	US-09-274-163E-4	Sequence 4, Appli
44	497.5	73.1	114	14	US-10-125-687-11	Sequence 11, Appl
45	493.5	72.5	119	14	US-10-010-729-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-09-249-011A-8
; Sequence 8, Application US/09249011A
; Patent No. US2002017685SA1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
;
; SEQ ID NO 8
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; OTHER INFORMATION: murine anti-human B7-2 light chain
US-09-249-011A-8

Query Match   100.0%;   Score 681; DB 9; Length 132;
Best Local Similarity 100.0%; Pred. No. 1.3e-53;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 MDSQAQVLILLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60
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Db   1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60

Qy   61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120
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Db   61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120

Qy 121 YTFGQGTKVEIK 132
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RESULT 2
US-09-249-011A-22
; Sequence 22, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-249-011A-22

Query Match   99.4%;   Score 677; DB 9; Length 239;
Best Local Similarity 99.2%;   Pred. No. 5.6e-53;
Matches 131; Conservative   1; Mismatches   0; Indels   0; Gaps   0;

Qy   1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy   61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120
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Db   61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCSQSYNL 120

Qy 121 YTFGQGTKVEIK 132
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RESULT 3
US-09-249-011A-4
; Sequence 4, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.

; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Murine sp.
; FEATURE:
; OTHER INFORMATION: Anti-B7-2 light chain
US-09-249-011A-4

Query Match   92.4%;   Score 629; DB 9; Length 132;
Best Local Similarity 90.9%;   Pred. No. 6e-49;
Matches 120; Conservative   7; Mismatches   5; Indels   0; Gaps   0;

Qy   1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60
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Qy   61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120
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Qy 121 YTFGQGTKVEIK 132
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Db 121 YTFGGGTKLEIK 132

RESULT 4
US-09-799-514-8
; Sequence 8, Application US/09799514
; Patent No. US20020065220A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: Immunoglobulin Superfamily Polynucleotides, Polypeptides, and F
; FILE REFERENCE: PT015P1
; CURRENT APPLICATION NUMBER: US/09/799,514
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: PCT/US00/23662
; PRIOR FILING DATE: 2000-08-29
; PRIOR APPLICATION NUMBER: 60/152,248
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-799-514-8

Query Match   81.6%;   Score 555.5; DB 9; Length 240;
Best Local Similarity 83.1%;   Pred. No. 4.5e-42;
Matches 108; Conservative   9; Mismatches   12; Indels   1; Gaps   1;

Qy   4 QAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLAWYQ 63
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Qy   64 QKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL-YT 122
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Qy 123 FGQGTKVEIK 132
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Db 124 FGQGTKLEIK 133

RESULT 5
US-10-390-986-16

GenCore version 5.1.6

Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 06:06:31 ; Search time 16.3146 Seconds
                                       (without alignments)
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Title: US-09-627-896B-8
Perfect score: 681
Sequence: 1 MDSQAQVLILLLWVSGTCG........YCTQSYNLYTFGQGTKVEIK 132

Scoring table: BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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            5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
            6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	592	86.9	239	1	US-08-353-400-37	Sequence 37, Appl
2	555	81.5	141	4	US-09-582-337-16	Sequence 16, Appl
3	553.5	81.3	135	4	US-08-812-586-46	Sequence 46, Appl
4	553.5	81.3	135	4	US-09-535-832A-43	Sequence 43, Appl
5	548.5	80.5	133	4	US-08-463-903-4	Sequence 4, Appli
6	548.5	80.5	133	4	US-07-935-695-4	Sequence 4, Appli
7	548	80.5	241	2	US-07-916-098A-56	Sequence 56, Appl
8	547.5	80.4	240	4	US-09-301-593-36	Sequence 36, Appl
9	544.5	80.0	134	4	US-08-961-309-58	Sequence 58, Appl
10	528.5	77.6	133	2	US-08-822-028-12	Sequence 12, Appl
11	528.5	77.6	133	4	US-08-479-285-12	Sequence 12, Appl
12	528.5	77.6	133	4	US-09-503-653A-12	Sequence 12, Appl
13	526.5	77.3	133	5	PCT-US93-11611-2	Sequence 2, Appli
14	525.5	77.2	133	4	US-09-301-593-24	Sequence 24, Appl
15	525.5	77.2	240	4	US-09-301-593-28	Sequence 28, Appl
16	522.5	76.7	154	3	US-08-513-968-36	Sequence 36, Appl
17	513.5	75.4	495	4	US-08-828-741B-4	Sequence 4, Appli
18	513.5	75.4	495	4	US-09-160-567-4	Sequence 4, Appli
19	513.5	75.4	495	4	US-09-710-299-4	Sequence 4, Appli
20	513.5	75.4	495	3	US-09-509-031-4	Sequence 4, Appli
21	512.5	75.3	133	3	US-08-579-378A-2	Sequence 2, Appli
22	512.5	75.3	133	5	PCT-US93-11612-2	Sequence 2, Appli
23	504.5	74.1	113	4	US-09-301-593-6	Sequence 6, Appli
24	504.5	74.1	113	4	US-09-301-593-34	Sequence 34, Appl
25	502.5	73.8	113	4	US-08-525-539A-80	Sequence 80, Appl
26	502.5	73.8	113	4	US-09-274-163E-16	Sequence 16, Appl
27	502.5	73.8	155	3	US-08-828-741B-11	Sequence 11, Appl
28	502.5	73.8	155	4	US-09-160-567-11	Sequence 11, Appl
29	502.5	73.8	155	4	US-09-710-299-11	Sequence 11, Appl
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31	502.5	73.8	342	4	US-08-828-741B-6	Sequence 6, Appli
32	502.5	73.8	342	4	US-09-160-567-6	Sequence 6, Appli
33	502.5	73.8	342	4	US-09-710-299-6	Sequence 6, Appli
34	502.5	73.8	342	4	US-09-509-031-6	Sequence 6, Appli
35	500.5	73.5	113	4	US-09-301-593-2	Sequence 2, Appli
36	500.5	73.5	113	4	US-09-301-593-32	Sequence 32, Appl
37	500.5	73.5	114	4	US-09-025-769B-17	Sequence 17, Appl
38	498.5	73.2	113	5	PCT-US93-08435-8	Sequence 8, Appli
39	498.5	73.2	114	4	US-09-274-163E-2	Sequence 2, Appli
40	498.5	73.2	114	4	US-09-274-163E-6	Sequence 6, Appli
41	498.5	73.2	274	4	US-08-961-309-66	Sequence 66, Appl
42	498.5	73.2	275	3	US-08-463-903-6	Sequence 6, Appli
43	498.5	73.2	275	4	US-07-935-695-6	Sequence 6, Appli
44	497.5	73.1	114	4	US-09-274-163E-4	Sequence 4, Appli
45	497.5	73.1	115	4	US-09-025-769B-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1
US-08-353-400-37
; Sequence 37, Application US/08353400
; Patent No. 5665357
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/353,400
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9324819.3
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9411089.7
; FILING DATE: 03-JUN-1994
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-353-400-37

  Query Match   86.9%; Score 592; DB 1; Length 239;
  Best Local Similarity   84.8%; Pred. No. 7.8e-48;
  Matches 112; Conservative   11; Mismatches   9; Indels   0; Gaps   0;

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Qy 121 YTFGQGTKVEIK 132
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Db 121 RITFGGGTKLEIK 132

RESULT 2

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US-09-582-337-16
; Sequence 16, Application US/09582337
; Patent No. 662618
; GENERAL INFORMATION:
; APPLICANT: Japan Tobacco, Inc.
; TITLE OF INVENTION: Monoclonal Antibody Against Connective Tissue Growth Factor
; TITLE OF INVENTION: and Medicinal Uses Thereof
; FILE REFERENCE: J1-009PCT
; CURRENT APPLICATION NUMBER: US/09/582,337
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: JP P1997-367699
; PRIOR FILING DATE: 1997-12-25
; PRIOR APPLICATION NUMBER: JP P1998-356183
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 16
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-582-337-16

Query Match      81.5%;    Score 555;  DB 4;   Length 141;
Best Local Similarity 82.4%;  Pred. No. 1.2e-44;
Matches 108;  Conservative 9;  Mismatches 12;  Indels 2;  Gaps 1;

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Qy   64 QKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL--Y 121
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Qy  122 TFGQGTKVEIK 132
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Db  124 TFGQGTKVEIK 134


RESULT 3
US-08-812-586-46
; Sequence 46, Application US/08812586
; Patent No. 6048704
; GENERAL INFORMATION:
; APPLICANT: Martin David Tilson
; TITLE OF INVENTION: PURIFIED AND RECOMBINANT ANTIGENIC
; TITLE OF INVENTION: PROTEINS ASSOCIATED WITH ABDOMINAL AORTIC ANEURYM (AAA)
; TITLE OF INVENTION: DISEASE, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/812,586
; FILING DATE: 07-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/53862-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 46:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-812-586-46

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Best Local Similarity 84.6%;  Pred. No. 1.6e-44;
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Qy  123 FGQGTKVEIK 132
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Db  124 FGQGTKVEIK 133


RESULT 4
US-09-535-832A-43
; Sequence 43, Application US/09535832A
; Patent No. 6537769
; GENERAL INFORMATION:
; APPLICANT: Tilson, Martin David
; TITLE OF INVENTION: Purified and Recombinant Antigenic Proteins Associated
; TITLE OF INVENTION: with Abdominal Aortic Aneurysm (AAA) Disease, and
; TITLE OF INVENTION: Diagnostic and Therapeutic use Thereof
; FILE REFERENCE: 53862-AZ
; CURRENT APPLICATION NUMBER: US/09/535,832A
; CURRENT FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 43
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-535-832A-43

Query Match      81.3%;    Score 553.5;  DB 4;   Length 135;
Best Local Similarity 84.6%;  Pred. No. 1.6e-44;
Matches 110;  Conservative 5;  Mismatches 14;  Indels 1;  Gaps 1;

Qy    4 QAQVLILLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLAWYQ 63
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RESULT 5
US-08-463-903-4
; Sequence 4, Application US/08463903
; Patent No. 6071515
; GENERAL INFORMATION:
; APPLICANT: Mezes, Peter S.
; APPLICANT: Richard, Ruth A.
; APPLICANT: Affholter, Joseph A.
; APPLICANT: Kotite, Nicolas J.
; TITLE OF INVENTION: Dimer and Multimer Forms of Single Chain Polypeptides
; FILE REFERENCE: 40224A US
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               Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:        March 20, 2004, 08:34:11 ; Search time 555.701 Seconds
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Perfect score: 1960
Sequence:      1 tctagaccaccatggatcca........cccacttctaggatcaattc 1960

Scoring table: IDENTITY_NUC
               Gapop 10.0 , Gapext 1.0

Searched:      2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters:    4876514

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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               3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
               4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                           SUMMARIES
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Result No.	Score	% Match	Query Length	DB	ID	Description
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3	1091.2	55.7	1708	13	US-10-027-075-31	Sequence 31, Appli
4	1044	53.3	3881	13	US-10-000-433-1	Sequence 1, Appli
5	776.4	39.6	1721	15	US-10-291-265-96	Sequence 96, Appl
6	776.4	39.6	1736	15	US-10-291-265-98	Sequence 98, Appl
7	776.4	39.6	1741	15	US-10-291-265-97	Sequence 97, Appl
8	698	35.6	8068	14	US-10-159-006-27	Sequence 27, Appl
9	694.2	35.4	1710	15	US-10-291-265-99	Sequence 99, Appl
10	667.6	34.1	8068	14	US-10-159-006-35	Sequence 35, Appl
11	595.8	30.4	1244	9	US-09-954-456-771	Sequence 771, App
12	595.8	30.4	1244	10	US-09-960-706-696	Sequence 696, App
13	595.8	30.4	1244	10	US-09-873-319-438	Sequence 438, App
14	523.4	26.7	948	9	US-09-859-053-33	Sequence 33, Appl
15	523.4	26.7	1045	14	US-10-198-846-13629	Sequence 13629, A
16	523	26.7	941	9	US-09-800-729-81	Sequence 81, Appl
17	523	26.7	968	10	US-09-992-600A-7	Sequence 7, Appli
18	523	26.7	968	10	US-09-924-340-7	Sequence 7, Appli
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20	523	26.7	968	10	US-09-999-570-7	Sequence 7, Appli
21	523	26.7	968	14	US-10-000-489-7	Sequence 7, Appli
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23	523	26.7	968	14	US-10-154-678-7	Sequence 7, Appli
24	523	26.7	968	14	US-10-001-142-7	Sequence 7, Appli
25	522.8	26.7	913	9	US-09-822-830A-531	Sequence 531, App
26	522.4	26.7	1404	15	US-10-291-265-663	Sequence 663, App
27	522	26.6	1810	15	US-10-108-260A-1650	Sequence 1650, Ap
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30	518.4	26.4	990	9	US-09-800-729-79	Sequence 79, Appl
31	518.4	26.4	1033	9	US-09-799-514-2	Sequence 2, Appli
32	518.4	26.4	1106	15	US-10-264-049-121	Sequence 121, App
33	518.4	26.4	1230	14	US-10-158-646-59	Sequence 59, Appl
34	518.4	26.4	1450	15	US-10-291-265-568	Sequence 568, App
35	518.4	26.4	1450	15	US-10-291-265-569	Sequence 569, App
36	518.4	26.4	1450	15	US-10-291-265-570	Sequence 570, App
37	518.4	26.4	1450	15	US-10-291-265-571	Sequence 571, App
38	518.2	26.4	929	15	US-10-108-260A-1838	Sequence 1838, Ap
39	517.4	26.4	1184	14	US-10-158-646-60	Sequence 60, Appl
40	517.4	26.4	1908	14	US-10-104-047-1269	Sequence 1269, Ap
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44	506.4	25.8	1202	14	US-10-158-646-57	Sequence 57, Appl
45	504.8	25.8	928	14	US-10-222-945-5	Sequence 5, Appli

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                           ALIGNMENTS

RESULT 1
US-09-249-011A-21

; Sequence 21, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
;  APPLICANT: CO, MAN SUNG
;  APPLICANT: VASQUEZ, MAXIMILIANO
;  APPLICANT: CARRENO, BEATRIZ
;  APPLICANT: CELNIKER, ABBIE CHERYL
;  APPLICANT: COLLINS, MARY
;  APPLICANT: GOLDMAN, SAMUEL
;  APPLICANT: GRAY, GARY S.
;  APPLICANT: KNIGHT, ANDREA
;  APPLICANT: O'HARA, DENISE
;  APPLICANT: RUP, BONITA
;  APPLICANT: VELDMAN, GEERTRUIDA M.
;  TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
;  TITLE OF INVENTION: OF TREATMENT THEREWITH
;  FILE REFERENCE: 08702.0081-00000
;  CURRENT APPLICATION NUMBER: US/09/249,011A
;  CURRENT FILING DATE: 1999-02-12
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn Ver. 2.1
;  SEQ ID NO 21
;  LENGTH: 1960
;  TYPE: DNA
;  ORGANISM: Mus sp.
;  FEATURE:
;  NAME/KEY: CDS
;  LOCATION: (12)..(408)
;  FEATURE:
;  NAME/KEY: CDS
;  LOCATION: (768)..(1087)
US-09-249-011A-21

Query Match            100.0%;  Score 1960;  DB 9;  Length 1960;
Best Local Similarity  100.0%;  Pred. No. 0;
Matches 1960;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy   721 GCAGAACTTTGTTACTTAAAACACCATCCGTTTGCTTTTGCTTCCTCAGGAACTGTGGCTGC    780
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           Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:     March 20, 2004, 08:27:41 ; Search time 114.08 Seconds
                                    (without alignments)
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Title:       US-09-627-896B-21
Perfect score: 1960
Sequence:    1 tctagaccaccatggattca.........cccacttctaggatcaattc 1960

Scoring table: IDENTITY NUC
             Gapop 10.0 , Gapext 1.0

Searched:    682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:    1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

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1	1611.8	82.2	8858	4	US-09-247-352-6	Sequence 6, Appli
2	1611.8	82.2	8858	4	US-09-466-635-6	Sequence 6, Appli
3	1429.4	72.9	1701	2	US-07-916-098A-54	Sequence 54, Appl
4	1429.4	72.9	1701	2	US-07-916-098A-55	Sequence 55, Appl
5	1184.2	60.4	13999	4	US-08-444-644-24	Sequence 24, Appl
6	1184.2	60.4	13999	4	US-08-232-246A-24	Sequence 24, Appl
7	1181.4	60.3	1276	2	US-07-916-098A-53	Sequence 53, Appl
8	1181.2	60.3	1241	2	US-07-916-098A-51	Sequence 51, Appl
9	1091.2	55.7	1708	4	US-09-227-595-31	Sequence 31, Appl
10	1044	53.3	3881	3	US-09-042-353-369	Sequence 369, App
11	1044	53.3	3881	3	US-08-758-417A-217	Sequence 217, App
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13	709.4	36.2	3819	4	US-08-758-417A-243	Sequence 243, App
14	698	35.6	8068	4	US-09-301-593-27	Sequence 27, Appl
15	667.6	34.1	8068	4	US-09-301-593-35	Sequence 35, Appl
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17	518.4	26.4	931	3	US-09-049-672A-19	Sequence 19, Appl
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19	518.4	26.4	990	4	US-09-800-729-79	Sequence 79, Appl
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C 22	462	23.6	477	4	US-09-736-457-893	Sequence 893, App
C 23	462	23.6	477	4	US-09-614-124B-893	Sequence 893, App
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34	334.6	17.1	940	1	US-08-353-400-24	Sequence 24, Appl
35	324.8	16.6	1576	5	PCT-US95-11405-34	Sequence 34, Appl
36	323.8	16.5	714	4	US-09-472-087-62	Sequence 62, Appl
37	323.4	16.5	705	4	US-09-472-087-43	Sequence 43, Appl
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39	323.4	16.5	708	4	US-09-472-087-40	Sequence 40, Appl
40	323.4	16.5	708	4	US-09-472-087-56	Sequence 56, Appl
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43	323.4	16.5	726	4	US-08-487-283A-13	Sequence 13, Appli
44	323.4	16.5	726	4	US-08-487-283A-14	Sequence 14, Appl
45	323	16.5	702	4	US-09-472-087-41	Sequence 41, Appl

ALIGNMENTS

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RESULT 1
US-09-247-352-6
; Sequence 6, Application US/09247352
; Patent No. 6312693
; GENERAL INFORMATION:
; APPLICANT: Aruffo, Alejandro A.
; APPLICANT: Siadak, Anthony W.
; APPLICANT: Berry, Karen K.
; APPLICANT: Harris, Linda
; APPLICANT: Thorne, Barbara A.
; APPLICANT: Bajorath, Jurgen
; APPLICANT: Huse, William D.
; APPLICANT: Wu, Herren
; APPLICANT: Watkins, Jeffry D.
; TITLE OF INVENTION: ANTIBODIES AGAINST HUMAN CD40
; FILE REFERENCE: DB2a SEQUENCE
; CURRENT APPLICATION NUMBER: US/09/247,352
; CURRENT FILING DATE: 1999-02-10
; EARLIER APPLICATION NUMBER: 09/026,291
; EARLIER FILING DATE: 1998-02-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 8858
; TYPE: DNA
; ORGANISM: Human and Mouse
US-09-247-352-6

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 Best Local Similarity  90.6%;  Pred. No. 0;
 Matches 1783;  Conservative  0;  Mismatches  137;  Indels  49;  Gaps  4;

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; Sequence 6, Application US/09466635
; Patent No. 6413514
; GENERAL INFORMATION:
;   APPLICANT: Aruffo, Alejandro A.
;   APPLICANT: Siadak, Anthony W.
;   APPLICANT: Berry, Karen K.
;   APPLICANT: Harris, Linda
;   APPLICANT: Thorne, Barbara A.
;   APPLICANT: Bajorath, Jurgen
;   TITLE OF INVENTION: ANTIBODIES AGAINST HUMAN CD40
;   FILE REFERENCE: DB2 SEQUENCE
;   CURRENT APPLICATION NUMBER: US/09/466,635
;   CURRENT FILING DATE: 1999-12-17
;   NUMBER OF SEQ ID NOS: 8
;   SOFTWARE: PatentIn Ver. 2.0
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;   TYPE: DNA
;   ORGANISM: Human and Mouse
US-09-466-635-6

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Db 1002 ACCATGGAAGCCCCAGTCAGTTCAGCTTCTCTTCCTGCTGCTCTCTGCTACTCTGGCTCCCAGATACCACC 1061

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                    GenCore version 5.1.6
          Copyright (c) 1993 - 2004 Compugen Ltd.

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Perfect score: 2249
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Searched:      243257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters:      4876514

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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3	1745	77.6	10494	14	US-10-138-727A-40	Sequence 40, App
4	1638	72.8	4694	13	US-10-000-433-3	Sequence 3, Appli
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6	1611.8	71.7	4723	13	US-10-000-433-2	Sequence 2, Appli
7	1586.2	70.5	11228	15	US-10-397-569-6	Sequence 6, Appli
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ALIGNMENTS

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; Patent No. US20020176855A1
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;  APPLICANT: CO, MAN SUNG
;  APPLICANT: VASQUEZ, MAXIMILIANO
;  APPLICANT: CARRENO, BEATRIZ
;  APPLICANT: CELNIKER, ABBIE CHERYL
;  APPLICANT: COLLINS, MARY
;  APPLICANT: GOLDMAN, SAMUEL
;  APPLICANT: GRAY, GARY S.
;  APPLICANT: KNIGHT, ANDREA
;  APPLICANT: O'HARA, DENISE
;  APPLICANT: RUP, BONITA
;  APPLICANT: VELDMAN, GEERTRUIDA M.
;  TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
;  TITLE OF INVENTION: OF TREATMENT THEREWITH
;  FILE REFERENCE: 08702.0081-00000
;  CURRENT APPLICATION NUMBER: US/09/249,011A
;  CURRENT FILING DATE: 1999-02-12
;  NUMBER OF SEQ ID NOS: 24
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;  LOCATION: (1919)..(2238)
US-09-249-011A-23

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Best Local Similarity  100.0%;  Pred. No. 0;
Matches 2249;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;
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GenCore version 5.1.6

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OM nucleic - nucleic search, using sw model

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Searched: 682709 seqs, 277475446 residues

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

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	18	1548	68.8	2770	4	US-09-227-595-29	Sequence 29, Appli
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	20	1516.2	67.4	1980	1	US-08-109-106-4	Sequence 4, Appli
	21	1487.4	66.1	10785	4	US-08-444-644-27	Sequence 27, Appl
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	23	1438.6	64.0	3282	1	US-08-276-852-154	Sequence 154, App
c	24	1438.6	64.0	3282	1	US-08-276-852-169	Sequence 169, App
c	25	1438.6	64.0	3282	1	US-08-899-575-159	Sequence 159, App
c	26	1438.6	64.0	3282	1	US-08-899-575-169	Sequence 169, App
c	27	1438.6	64.0	3282	1	US-08-899-575-154	Sequence 154, App
c	28	1438.6	64.0	3282	1	US-08-899-575-169	Sequence 169, App
	29	1438.6	64.0	3282	5	PCT-US95-08743-154	Sequence 154, App
c	30	1438.6	64.0	3282	5	PCT-US95-08743-169	Sequence 169, App
	31	1438.6	64.0	13254	1	US-08-276-852-156	Sequence 156, App
c	32	1438.6	64.0	13254	1	US-08-276-852-170	Sequence 170, App
	33	1438.6	64.0	13254	1	US-08-899-575-156	Sequence 156, App
c	34	1438.6	64.0	13254	1	US-08-899-575-170	Sequence 170, App
	35	1438.6	64.0	13254	1	US-08-899-575-156	Sequence 156, App
c	36	1438.6	64.0	13254	1	US-08-899-575-170	Sequence 170, App
	37	1438.6	64.0	13254	5	PCT-US95-08743-156	Sequence 156, App
c	38	1438.6	64.0	13254	5	PCT-US95-08743-170	Sequence 170, App
	39	1437	63.9	4926	5	US-09-042-353-418	Sequence 418, App
	40	1437	63.9	4926	4	US-08-758-417A-268	Sequence 268, App
	41	1435.8	63.8	8614	4	US-09-247-352-5	Sequence 5, Appli
	42	1435.8	63.8	8614	4	US-09-466-635-5	Sequence 5, Appli
	43	1426.4	63.4	2399	2	US-08-070-116A-1	Sequence 1, Appli
	44	1426.4	63.4	2399	4	US-08-557-050-1	Sequence 1, Appli
	45	1410.4	62.7	10844	3	US-08-444-644-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1
US-07-916-098A-44
; Sequence 44, Application US/07916098A
; Patent No. 5871732
; GENERAL INFORMATION:
APPLICANT: BURKLY, LINDA C.
APPLICANT: CHISHOLM, PATRICIA L.
APPLICANT: THOMAS, DAVID W.
APPLICANT: ROSA, MARGARET D.
APPLICANT: ROSA, JOSEPH J.
TITLE OF INVENTION: ANTI-CD4 ANTIBODY HOMOLOGS USEFUL IN
TITLE OF INVENTION: PROPHYLAXIS AND TREATMENT OF AIDS, ARC AND HIV INFECTION
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: ALLEGRETTI & WITCOFF, LTD.
STREET: 10 SOUTH WACKER DRIVE
CITY: CHICAGO
STATE: ILLINOIS
COUNTRY: U.S.A.
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/916,098A
FILING DATE: July 24, 1992
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/08843
FILING DATE: No. 5871732ember 27, 1991
CLASSIFICATION: 424
APPLICATION NUMBER: 07/618,542
FILING DATE: No. 5871732ember 27, 1990
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: JOHN J. MC DONNELL
REGISTRATION NUMBER: 26,949
REFERENCE/DOCKET NUMBER: 92,310-G
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 715-1000
TELEFAX: (312) 715-1234
TELEX: 910/221-5317
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 2560 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

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MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
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    LOCATION: 12..68
FEATURE:
    NAME/KEY: mat_peptide
    LOCATION: join(69..435, 712..1005, 1396..1431, 1550..1879,
              1977..2296)
FEATURE:
    NAME/KEY: intron
    LOCATION: 436..711
FEATURE:
    NAME/KEY: intron
    LOCATION: 1006..1395
FEATURE:
    NAME/KEY: intron
    LOCATION: 1432..1549
FEATURE:
    NAME/KEY: intron
    LOCATION: 1880..1976
FEATURE:
    NAME/KEY: misc_feature
    LOCATION: 1
    OTHER INFORMATION: /note= "pMDR1002 insert: pre-5A8
    OTHER INFORMATION: humanized heavy chain"
FEATURE:
    NAME/KEY: exon
    LOCATION: 12..435
FEATURE:
    NAME/KEY: exon
    LOCATION: 712..1005
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    NAME/KEY: exon
    LOCATION: 1396..1431
FEATURE:
    NAME/KEY: exon
    LOCATION: 1550..1879
FEATURE:
    NAME/KEY: exon
    LOCATION: 1977..2296
FEATURE:
    NAME/KEY: CDS
    LOCATION: join(12..435, 712..1005, 1396..1431, 1550..1879,
              1977..2296)

US-07-916-098A-44

Query Match      80.2%;   Score 1804;   DB 2;   Length 2560;
Best Local Similarity  89.2%;   Pred. No. 0;
Matches 2049;   Conservative  0;   Mismatches  185;   Indels  64;   Gaps   7;

Qy       8 CACCATGGGTTGGAACTGTATCATCTTCTTTCTGGTTACCAGCTACAGGTGTGCACTC 67
             ||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||
Db       8 CACCATGGGTTGGAACTGTATCATCTTCTTTCTGGTTACCAGCTACAGGTGTGCACTC 67

Qy      68 CCAGGTCCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGGCTTCAGTGAAGGT 127
             |||||||||||||||| ||||||||||||||||||||||||||||| |||||||||||||
Db      68 CCAGGTCCAACTGCAGGAGTCTGGAGCTGAGGTGAAAAAGCCTGGGGCTTCAGTGAAGGT 127

Qy     128 GTCCTGCAAAGCTTCCGGCTACACATTCACTGATTATGCTATACAGTGGGTGAGACAGGC 187
             |||||||||||||||||||||||| |||||||||||||||||||||||||||||||||||
Db     128 GTCCTGCAAGGCTTCTGGATACACATTCACTAGCTATGTTATACACTGGGTGAGGGCAGGC 187

Qy     188 TCCTGGACAGGGCCTCGAGTGGATTGGATATATTAATCCTTACAGTGGGTACTGACTA 247
             |||||||||||||||||||||| ||||||||||||||||| |||||||||||||||||
Db     188 GCCTGGGCAGGGCCTTGAGTGGATTGGGATTTTTACATTACCTTACAATGAGTGGTACTGACTA 247

Qy     248 CAACCAGAAGTTTAAGGGCAAGGCCACAATGACTGTAGACAAGTCGACGAGCACAGCCTA 307
             | |||||||||||||||||||||| ||||||| |||||||||||| |||||||||||||
Db     248 CGATGAGAAGTTCAAAGGCAAGGCCACAGTCACCTCAGACAAATCTTCCAGCACAGCCTA 307

Qy     308 TATGGAACTTAGTTCTTTGAGATCTGAGGATACGGCCGTTTATTACTGTGCAAGAG---- 363
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Db     308 CATGGAGCTCAGCAGCCTGAGGTCTGAGGACACTGCGGTCTATTACTGTGCAAGAGAA 367
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Qy     364 --------CGCCTTGCTGTATATGGACTACTGGGGTCAAGGTACCCTTGTCACCGT 409
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Db     368 GGATAACTACGCGACGGGGCCTGGTTTGCTTACTGGGGCCAAGGACCCTGTCACCGT 427
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Qy     410 CTCCTCAGGTGAGTCCTTAAA---------------------------------ACCT 434
             |||||||||||||||| ||
Db     428 CTCCTCAGGTGAGTCCTCAAGCTTCCCCGGAATTCAGATCTCGAGCATCGTCGAGCT 487
Qy     435 CTAG-----AGCTTCTGGGGCGAGCCGAGCCTGACTTTGGCTTTGGGGCAGGAGTGGG 489
             |||||      ||||||||||||||||||||||||||||| |||||||||||||||
Db     488 CTAGATATCAGCTTTCTGGGGCAGGCCGGGCCTGACTTTGGCTG-GGGGCAGGAGGGGG 546
Qy     490 CTAAGGTGAGGCAGGTGGCGGCCAGCCAGTGCACACCCGGTGCACCCGTGAGCCCAGACACT 549
             ||||||||||||||||||||||||||||||||| |||||||||||||||||||||||||
Db     547 CTAAGGTGACGCAGGTGGCGGCCAGCCAGTGCACACCCAATGCACCCATGAGCCCAGACACT 606
Qy     550 GGACCCTGCCTGGACCCTCGTGTGATAGACAAGAACCGAGGGGCCTCTGCGCCCTGGGCCC 609
             |||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||
Db     607 GGACCCTGCATGGACCATCGCGGATAGACAAGAACCGAGGGGCCTCTCGCGCCCTGGGCCC 666
Qy     610 AGCTCTGTCCCACACCGCGGTCACATGCCACCACCTCTTGCAGCTTCCACCAAGGGGCC 669
             ||||||||||||||||||||||||||||||||||      ||||||||||||||||||
Db     667 AGCTCTGTCCCACACCGCGGTCACATGCCACCACCTCTTGCAGCTTCCACCAAGGGCC 726
Qy     670 CATGGTCTTCCCCCTGGCGCCCTGGCGCCCCTGGGCAGCACCTCCGAGAGCAGCCCCTGG 729
             |||| |||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db     727 CATCCGTCTTCCCCCTGGCGCCCTGGCGCCCCTGGGCAGCACCTCCGAGAGCAGCCCCTGG 786
Qy     730 GCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCTC 789
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     787 GCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCCC 846
Qy     790 TGACCAGCGGCGTGCACACCTTCCCAGCTGTGCTACAGTCCTCAGGACTCTACTCCCTCA 849
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     847 TGACCAGCGGCGTGCACACCTTCCCAGCTGTGCTACAGTCCTCAGGACTCTACTCCCTCA 906
Qy     850 GCAGCGTGGTGACCGTGCCCTCCAGCAACTTCGGCACCCAGACCTACACCTGCAACGTAG 909
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     907 GCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACACCTGCAACGTAG 966
Qy     910 ATCACAAGCCCAGCAACACCAAGGTGACAACAGAGTTGGTGAGAGGCCAGTCAGGGAG 969
             ||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||
Db     967 ATCACAAGCCCAGCAACACCAAGGTGGACAACAGAGAGTTGGTGAGAGGCCAGCACAGGGAG 1026
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             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1027 GGAGGGGTGTCTGCTGGAAGCAGGCAGGCAGGGCATGCACCCCGGCTGTGCA 1086
Qy    1030 GCCCCAGCCAGGCAGGGCAGCAAGGCAGCCCCATCGTCTCCTCCACCCGGAGGCCTCTGCCC 1089
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1087 GCCCCAGCCAGGCAGGGCAGCAAGGCAGCCCCATCGTCTCCTCCACCCGGAGGCCTCTGACC 1146
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Db    1147 ACCCCACTCATGCTCAGGGAGAGGGTCTTCTGAGTTTTCCACCAGGCTGCTGCTCAGGCCA-CCA 1205
Qy    1150 CAGGCTGGGTGCCCTACCCCAGGGCCCTTGCTGCTGTGGGGTGAGACAGGC 1209
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Db    1206 CAGGCTGATGCCCTACCCCAGGGCCCTGCGCATACA-GGGCAGGGTGCTGCGGCTTCAGACC 1264
Qy    1210 TGCCAAAAGCCATATCCGGGAGGACGCACCTGCGCCCTAAGCCCTGACCCCAAAGGCAAA 1269
             ||||||||||||||||||||||||||||||||||||||||||| |||||||||||||
Db    1265 TGCCAAGAGCCATATCCGGGAGGACGCACCCCGCCCTGACCTAAGCCACCCCAAAGGCCAAA 1324
Qy    1270 CTGTCCACTCCCTCAGCTCGACACCTTCTCTCCCCAGATCCGAGTAACTCCCAATCT 1329
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Db    1325 CTCTCCCACTCCCTCAGCTCAGCACACCTTCTCTCCCCAGATCTGAGTAACTCCCAATCT 1384
Qy    1330 TCTCTCTGCGAGCGCAAATGTTGTGTCGAGTGGTCCAGTAAGCCAGTCCAGCCCA 1389
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                   GenCore version 5.1.6
        Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:      March 20, 2004, 08:34:11 ; Search time 92.7113 Seconds
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Title:           US-09-627-896B-25
Perfect score:   327
Sequence:        1 gacatccagatgacccagtc.........ccaaggtggaaatcaaacgt 327

Scoring table:   IDENTITY NUC
                 Gapop 10.0 , Gapext 1.0

Searched:        238257 seqs, 184957674 residues

Total number of hits satisfying chosen parameters:    4876514

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Published Applications NA:*

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2:  /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB	ID	Description
1	297.8	91.1	322	14	US-10-041-860-74	Sequence 74, Appl
2	297.2	90.9	384	15	US-10-309-762-113	Sequence 113, App
3	296.2	90.6	322	14	US-10-041-860-76	Sequence 76, Appl
4	294	89.9	514	14	US-10-066-543-2025	Sequence 2025, Ap
5	294	89.9	537	14	US-10-066-543-186	Sequence 186, App
6	289.8	88.6	322	14	US-10-041-860-81	Sequence 81, Appl
7	286	87.5	463	12	US-10-195-894-16	Sequence 16, Appl
8	286	87.5	6082	12	US-10-195-894-8	Sequence 8, Appli
9	282	86.2	322	14	US-10-330-613-32	Sequence 32, Appl
10	282	86.2	322	14	US-10-330-530-32	Sequence 32, Appl
11	280.6	85.8	717	15	US-10-423-847-9	Sequence 9, Appli
12	280.2	85.7	747	15	US-10-423-847-7	Sequence 7, Appli
13	280.2	85.7	750	15	US-10-423-847-3	Sequence 3, Appli
14	280.2	85.7	750	15	US-10-423-847-6	Sequence 6, Appli
15	279.6	85.5	741	15	US-10-423-847-4	Sequence 4, Appli
16	279.6	85.5	756	15	US-10-423-847-1	Sequence 1, Appli
17	279.6	85.5	756	15	US-10-423-847-5	Sequence 5, Appli
18	279.6	85.5	759	15	US-10-423-847-2	Sequence 2, Appl
19	279.6	85.5	762	15	US-10-423-847-8	Sequence 8, Appl
20	279.2	85.4	321	10	US-09-801-185A-36	Sequence 36, Appl
21	279.2	85.4	321	15	US-10-133-715-36	Sequence 36, Appl
22	279.2	85.4	321	15	US-10-302-356A-36	Sequence 36, Appl
23	279.2	85.4	321	15	US-10-163-657A-36	Sequence 36, Appl
24	279.2	85.4	321	15	US-10-422-287-36	Sequence 36, Appl
25	278	85.0	490	9	US-09-918-995-37859	Sequence 37859, A
26	278	85.0	737	9	US-09-919-344-7	Sequence 7, Appli
27	274.8	84.0	819	14	US-10-158-646-65	Sequence 65, Appl
28	274.4	83.9	306	14	US-10-010-729-36	Sequence 36, Appl
29	270	82.6	720	9	US-09-192-854-1	Sequence 1, Appli
30	270	82.6	720	9	US-09-968-561A-1	Sequence 1, Appli
31	270	82.6	720	12	US-09-968-744A-1	Sequence 1, Appli
32	270	82.6	720	12	US-09-968-561A-1	Sequence 1, Appli
33	270	82.6	729	14	US-10-216-484-125	Sequence 125, App
34	270	82.6	1106	15	US-10-384-933-121	Sequence 121, App
35	270	82.6	1106	15	US-10-264-049-121	Sequence 121, App
36	269	82.3	322	14	US-10-330-613-20	Sequence 20, Appl
37	269	82.3	322	14	US-10-330-530-20	Sequence 20, Appl
38	269	82.3	322	14	US-10-041-860-68	Sequence 68, Appl
39	269	82.3	322	14	US-10-041-860-70	Sequence 70, Appl
40	269	82.3	322	14	US-10-041-860-78	Sequence 78, Appl
41	269	82.3	322	15	US-10-309-762-231	Sequence 231, App
42	269	82.3	322	15	US-10-309-762-235	Sequence 235, App
43	267.4	81.8	322	14	US-10-041-860-66	Sequence 66, Appl
44	266.8	81.6	324	14	US-10-408-901-19	Sequence 19, Appl
45	266.8	81.6	645	16	US-10-408-901-43	Sequence 43, Appl

ALIGNMENTS

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RESULT 1
US-10-041-860-74
; Sequence 74, Application US/10041860
; Publication No. US2003015710SA1
; GENERAL INFORMATION:
; APPLICANT:  Corvalan, Jose R.F.
; APPLICANT:  Jia, Xiao-Chi
; APPLICANT:  Yang, Xiao
; APPLICANT:  Feng, Xiao-Dong
; APPLICANT:  Chen, Francine
; APPLICANT:  Gazit, Gadi
; APPLICANT:  Weber, Richard
; APPLICANT:  Bezabeh, Biryam
; TITLE OF INVENTION:  ANTIBODIES DIRECTED TO PDGFD AND USES
; TITLE OF INVENTION:  THEREOF
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE:  2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 74
; LENGTH: 322
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-041-860-74

Query Match             91.1%;    Score 297.8;  DB 14;  Length 322;
Best Local Similarity   96.9%;    Pred. No. 1.3e-91;
Matches  315;  Conservative   0;  Mismatches  7;  Indels  3;  Gaps  1;

Qy    1 GACATCCAGATGACCCAGTCTCCATCCTCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 GACATCCAGATGACCCAGTCTCCATCCTCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60

Qy   61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCGTGGTATCAGCAGAAACCA 120
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Db   61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCGTGGTATCAGCAGAAACCA 120
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Qy    121  GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT   180
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Db    121  GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT   180

Qy    181  CGGTTCAGTGGCAGTGGATCTGGGACAGATTCACTCTCACCATCAGCAGCCTGCAGCCT   240
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181  CGGTTCAGTGGCAGTGGATCTGGGACAGATTCACTCTCACCATCAGCAGCCTGCAGCCT   240

Qy    241  GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCCCCTCCGAGTACGTTCGGC   300
                |||||||||||||||||||||||||||||||||||||||   ||||| ||||||||||
Db    241  GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCC---CCGCTCACTTTCGGC   297

Qy    301  CAAGGGACCAAGGTGGAAATCAAAC   325
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Db    298  GGAGGGACCAAGGTGGAGATCAAAC   322

RESULT 2
US-10-309-762-113
; Sequence 113, Application US/10309762
; Publication No. US20040018198A1
; GENERAL INFORMATION:
;  APPLICANT: Gudas, Jean
;  APPLICANT: Foltz, Ian
;  APPLICANT: Handa, Masahisa
;  APPLICANT: Gallo, Michael
;  TITLE OF INVENTION: ANTIBODIES AGAINST CARBOXIC ANHYDRASE IX
;  TITLE OF INVENTION:    (CA IX) TUMOR ANTIGEN
;  FILE REFERENCE: ABGENIX.027A
;  CURRENT APPLICATION NUMBER: US/10/309,762
;  CURRENT FILING DATE:  2002-12-02
;  PRIOR APPLICATION NUMBER: 60/337275
;  PRIOR FILING DATE: 2001-12-03
;  NUMBER OF SEQ ID NOS: 246
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 113
;  LENGTH: 384
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-309-762-113

  Query Match          90.9%;   Score 297.2;  DB 15;  Length 384;
  Best Local Similarity  96.6%;  Pred. No. 2.3e-91;
  Matches   315;  Conservative   0;  Mismatches   8;  Indels   3;  Gaps   1;

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Qy    61   ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTAGCCTGGTATCAGCAGAAACCA   120
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Qy   121   GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCATGCTGACAGTTTGCAATCAGGGGTCCCATCT   180
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Qy   181   CGGTTCAGTGGCGAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCT   240
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241   CGGTTCAGTGGCGAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAGCCT   300

Qy   241   GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCCCCTCCGAGTACGTTCGGC   300
                |||||||||||||||||||||||||||||||||||    |||||  ||||||||||||
Db   301   GAAGATGTTGCAGTTTATTACTGTCTAAAGTATAACAGTGCC---CCGTGGACGTTCGGC   357

Qy   301   CAAGGGACCAAGGTGGAAATCAAACG   326
                ||||||||||||||||||||||||
Db   358   CAAGGGACCAAGGTGGAAATCAAACG   383

RESULT 3
US-10-041-860-76
; Sequence 76, Application US/10041860
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; Publication No. US20030157109A1
; GENERAL INFORMATION:
;  APPLICANT: Corvalan, Jose R.F.
;  APPLICANT: Jia, Xiao-Chi
;  APPLICANT: Feng, Xiao
;  APPLICANT: Yang, Xiao-Dong
;  APPLICANT: Chen, Francine
;  APPLICANT: Gazit, Gadi
;  APPLICANT: Weber, Richard
;  APPLICANT: Bezabeh, Binyam
;  TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFD AND USES
;  TITLE OF INVENTION:    THEREOF
;  FILE REFERENCE: ABGENIX.051A
;  CURRENT APPLICATION NUMBER: US/10/041,860
;  CURRENT FILING DATE:  2002-01-07
;  NUMBER OF SEQ ID NOS: 377
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 76
;  LENGTH: 322
;  TYPE: DNA
;  ORGANISM: homo sapiens
US-10-041-860-76

  Query Match          90.6%;   Score 296.2;  DB 14;  Length 322;
  Best Local Similarity  96.6%;  Pred. No. 4.7e-91;
  Matches   314;  Conservative   0;  Mismatches   8;  Indels   3;  Gaps   1;

Qy     1   GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC   60
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1   GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC   60

Qy    61   ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTAGCCTGGTATCAGCAGAAACCA   120
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61   ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTAGCCTGGTATCAGCAGAAACCA   120

Qy   121   GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT   180
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   121   GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT   180

Qy   181   CGGTTCAGTGGCAGTGGATCTGGGACAGATTCACTCTCACCATCAGCAGCCTGCAGCCT   240
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181   CGGTTCAGTGGCAGTGGATCTGGGACAGATTCACTCTCACCATCAGCAGCCTGCAGCCT   240

Qy   241   GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCCCCTCCGAGTACGTTCGGC   300
                |||||||||||||||||||||||||||||||||||||||   ||||| ||||||||||
Db   241   GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGTAA---CAGTGTAACAGTTCGGC   297

Qy   301   CAAGGGACCAAGGTGGAAATCAAAC   325
                ||||||||||||||| ||||||||
Db   298   CAAGGGACCACGGTGGGAGATCAAAC   322

RESULT 4
US-10-066-543-2025
; Sequence 2025, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
;  APPLICANT: Jiang, Yuqiu
;  APPLICANT: Pyle, Ruth A.
;  APPLICANT: Xu, Jiangchun
;  APPLICANT: Indirias, Carol Yoseph
;  APPLICANT: Lodes, Michael J.
;  APPLICANT: Secrist, Heather
;  APPLICANT: Carter, Darrick
;  APPLICANT: Fanger, Gary R.
;  APPLICANT: Smith, Carole L.
;  APPLICANT: Durham, Margarita
;  APPLICANT: Stolk, John A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;  TITLE OF INVENTION:    AND DIAGNOSIS OF COLON CANCER
;  FILE REFERENCE: 210121.563
;  CURRENT APPLICATION NUMBER: US/10/066,543
;  CURRENT FILING DATE:  2002-01-31
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                GenCore version 5.1.6
        Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:      March 20, 2004, 08:34:11 ; Search time 96.1135 Seconds
                                       (without alignments)
                                       13047.203 Million cell updates/sec

Title:            US-09-627-896B-26
Perfect score:    339
Sequence:         1 gacatccagtgaccagtc.........ggaccaaggtggaaatcaaa 339

Scoring table:    IDENTITY_NUC
                  Gapop 10.0 , Gapext 1.0

Searched:         243857 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters:      4876514

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing:  Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

Database :        Published Applications NA:*
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          2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
          3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
          4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
          5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
          6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
          7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
          8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
          9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
         10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
         11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
         12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
         13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
         14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
         15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
         16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
         17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
         18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                           SUMMARIES
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Result No.	Score	% Query Match	Length	DB	ID	Description
1	319.8	94.3	366	14	US-10-010-729-52	Sequence 52, Appl
2	318.2	93.9	357	14	US-10-010-729-14	Sequence 14, Appl
3	316.6	93.4	340	14	US-10-330-613-24	Sequence 24, Appl
4	316.6	93.4	340	14	US-10-330-530-24	Sequence 24, Appl
5	315.2	93.0	463	10	US-09-925-299-453	Sequence 453, App
6	315.2	93.0	463	10	US-09-925-299-453	Sequence 453, App
7	314	92.6	1028	14	US-10-255-478-67	Sequence 67, Appl
8	314	92.6	1330	14	US-10-255-478-65	Sequence 65, Appl
9	312.4	92.2	1359	14	US-10-255-478-69	Sequence 69, Appl
10	311.8	92.0	792	15	US-10-264-049-2099	Sequence 2099, Ap
11	311.8	92.0	1033	9	US-09-799-514-2	Sequence 2, Appli
12	311.8	91.9	423	14	US-10-390-986-15	Sequence 15, Appl
13	310.2	91.5	804	15	US-10-264-049-2091	Sequence 2091, Ap
14	310.2	91.5	1088	14	US-10-255-478-57	Sequence 57, Appl
15	305.2	90.0	788	14	US-10-158-646-58	Sequence 58, Appl

16		303	89.4	463	9	US-09-187-693-26	Sequence 26, Appl
17		301.6	89.0	836	14	US-10-255-478-63	Sequence 63, Appl
18		300.4	88.6	9511	9	US-09-897-006-34	Sequence 34, Appl
19		300.4	88.6	9511	10	US-09-897-511A-34	Sequence 34, Appl
20		294.4	86.8	305	10	US-09-995-529-5	Sequence 5, Appli
21		292.6	86.3	342	9	US-09-274-163E-1	Sequence 1, Appli
22		291	85.8	343	9	US-09-274-163E-3	Sequence 3, Appli
23		291	85.8	343	9	US-09-274-163E-5	Sequence 5, Appli
24		291	85.8	1820	15	US-10-104-047-1232	Sequence 1232, Ap
25		289.4	85.4	315	14	US-10-010-729-38	Sequence 38, Appl
26		288	85.0	1230	14	US-10-158-646-59	Sequence 59, Appl
27		287.8	84.9	6094	12	US-10-395-894-13	Sequence 13, Appl
28		281.4	83.0	470	14	US-10-345-618-10	Sequence 10, Appl
29		281.4	83.0	1031	14	US-10-345-618-5	Sequence 5, Appli
30		281.4	83.0	1490	14	US-10-345-618-3	Sequence 3, Appli
31		280.2	82.7	460	9	US-09-187-693-22	Sequence 22, Appl
32		279	82.3	456	9	US-09-187-693-24	Sequence 24, Appl
33		276.4	81.5	476	9	US-09-187-693-30	Sequence 30, Appl
34		273.4	80.6	384	9	US-09-905-243-54	Sequence 54, Appl
35		272.6	80.4	453	9	US-09-187-693-28	Sequence 28, Appl
36		268.4	79.2	327	9	US-09-828-708-112	Sequence 112, App
37		268.4	79.2	327	9	US-09-828-708-115	Sequence 115, App
38	c	251.6	74.2	266	9	US-09-604-287A-409	Sequence 409, App
39	c	251.6	74.2	266	10	US-09-551-621-409	Sequence 409, App
40	c	251.6	74.2	266	13	US-10-007-805-409	Sequence 409, App
41	c	251.6	74.2	266	14	US-10-076-622-409	Sequence 409, App
42	c	251.6	74.2	266	14	US-10-124-805-409	Sequence 409, App
43		246.2	72.6	339	14	US-10-121-464-5	Sequence 5, Appli
44		246.2	72.6	339	14	US-10-159-006-5	Sequence 5, Appli
45		246.2	72.6	339	14	US-10-159-006-103	Sequence 103, App

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                         ALIGNMENTS

RESULT 1
US-10-010-729-52
; Sequence 52, Application US/10010729
; Publication No. US20030185827A1
; GENERAL INFORMATION:
;  APPLICANT: Rodriguez, Moses
;  APPLICANT: Miller, David J.
;  APPLICANT: Pease, Larry R.
;  TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
;  TITLE OF INVENTION: Therapeutic Uses Thereof Particularly in the Central Nervous
;  TITLE OF INVENTION: System
;  FILE REFERENCE: 1199-1-005CIP2
;  CURRENT APPLICATION NUMBER: US/10/010,729
;  CURRENT FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: 09/730,473
;  PRIOR FILING DATE: 2000-12-05
;  PRIOR APPLICATION NUMBER: 09/580,787
;  PRIOR FILING DATE: 2000-05-30
;  PRIOR APPLICATION NUMBER: 09/322,862
;  PRIOR FILING DATE: 1999-05-28
;  PRIOR APPLICATION NUMBER: 08/779,784
;  PRIOR FILING DATE: 1997-01-07
;  PRIOR APPLICATION NUMBER: 08/692,084
;  PRIOR FILING DATE: 1996-08-08
;  PRIOR APPLICATION NUMBER: 08/236,520
;  PRIOR FILING DATE: 1994-04-29
;  NUMBER OF SEQ ID NOS: 80
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
;  LENGTH: 366
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-010-729-52

Query Match            94.3%;     Score 319.8;  DB 14;  Length 366;
Best Local Similarity  96.5%;     Pred. No. 5.5e-99;
Matches  327; Conservative  0; Mismatches  12; Indels  0; Gaps  0;
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Qy   1 GACATCCAGTTGACCCAGTCTCCAGACTCCCTGCTGTGTCTCTGGGCGAGAGGGCCACC 60
          |||||||| |||||||||||||||||| ||||||||||||||||||||||||||||||
Db   1 GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60

Qy   61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
          ||||||||||||||||||||||||||| ||||||||||||| |||||| ||||||||||
Db   61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAATAAGAACTACTTAGCT 120

Qy   121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
          ||||||||||||||||||||| ||||||||| |||||||||||||||||||||||||||
Db   121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAACTACTCATTTACTGGGCATCTACCCGG 180

Qy   181 GAATCCGGGGTCCCTGACCGGTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181 GAATCCGGGGTCCCTGACCGGTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240

Qy   241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAATACT 300

Qy   301 CCTCGAACGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
          |||| ||||||||||||||||||||||||||||||||||
Db   301 CCTCAGGCGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339

RESULT 2
US-10-010-729-14
; Sequence 14, Application US/10010729
; Publication No. US20030185827A1
; GENERAL INFORMATION:
; APPLICANT: Rodriguez, Moses
; APPLICANT: Miller, David J.
; APPLICANT: Pease, Larry R.
; TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
; TITLE OF INVENTION: Therapeutic Uses Thereof Particularly in the Central Nervous
; TITLE OF INVENTION: System
; FILE REFERENCE: 1199-1-005CIP2
; CURRENT APPLICATION NUMBER: US/10/010,729
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 09/730,473
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/580,787
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/322,862
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/779,784
; PRIOR FILING DATE: 1997-01-07
; PRIOR APPLICATION NUMBER: 08/692,084
; PRIOR FILING DATE: 1996-08-08
; PRIOR APPLICATION NUMBER: 08/236,520
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 357
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-010-729-14

Query Match   93.9%; Score 318.2; DB 14; Length 357;
Best Local Similarity 96.2%; Pred. No. 1.9e-98;
Matches 326; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy   1 GACATCCAGTTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60
          |||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60

Qy   61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
          ||||||||||||||||||||||||||||||||||||||||| |||||| ||||||||||
Db   61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAATAAGAACTACTTAGCT 120

Qy   121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
          ||||||||||||

Db   121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Qy   181 GAATCCGGGGTCCCTGACCGGTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181 GAATCCGGGGTCCCTGACCGGTTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240

Qy   241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAATACT 300

Qy   301 CCTCGAACGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
          |||| ||||||||||||||||||||||||||||||||||
Db   301 CCTCAGGCGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339

RESULT 3
US-10-330-613-24
; Sequence 24, Application US/10330613
; Publication No. US20030147809A1
; GENERAL INFORMATION:
; APPLICANT: Gudas, Jean
; TITLE OF INVENTION: ANTIBODIES AGAINST THE MUC18 ANTIGEN
; FILE REFERENCE: ABGENIX.022A
; CURRENT APPLICATION NUMBER: US/10/330,613
; CURRENT FILING DATE: 2002-12-26
; PRIOR APPLICATION NUMBER: 60/346299
; PRIOR FILING DATE: 2001-12-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
;   LENGTH: 340
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-10-330-613-24

Query Match   93.4%; Score 316.6; DB 14; Length 340;
Best Local Similarity 95.9%; Pred. No. 6.7e-98;
Matches 325; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy   1 GACATCCAGTTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60
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Db   1 GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60

Qy   61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
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Db   61 ATCATCTGCAAGTCCAGCCAGAGTATTTTATACAGCTCCAACAATAAGAACTACTTAGGT 120

Qy   121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy   181 GAATCCGGGGTCCCTGACCGGTTCAGTGGCAGTGGGTCTGGGACAGATTTCACTCTCACC 240
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Db   181 GAATCCGGGGTCCCTGCCCGGTTCAGTGGCAGTGGGTCTGGGACAGATTTCACTCTCACC 240

Qy   241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
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Db   241 ATCAACAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300

Qy   301 CCTCGAACGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
          |||| |||||||||||||||||||||||||||||||||
Db   301 CCTCTCACTTTCGGCCCTGGGACCAAAGTGGATATCAAA 339

RESULT 4
US-10-330-530-24
; Sequence 24, Application US/10330530
; Publication No. US20030152514A1
; GENERAL INFORMATION:
; APPLICANT: Gudas, Jean
; TITLE OF INVENTION: METHODS FOR USING ANTI-MUC18 ANTIBODIES
; FILE REFERENCE: ABGENIX.031A
; CURRENT APPLICATION NUMBER: US/10/330,530

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              GenCore version 5.1.6
       Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:  March 20, 2004, 08:27:41 ; Search time 19.7311 Seconds
                                     (without alignments)
                               9534.601 Million cell updates/sec

Title:          US-09-627-896B-26
Perfect score:  339
Sequence:       1 gatccagttgaccagtc........ggaccaaggtgaaatcaaa 339

Scoring table:  IDENTITY NUC
                Gapop 10.0 , Gapext 1.0

Searched:       682709 seqs, 277447446 residues

Total number of hits satisfying chosen parameters:   1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :  Issued Patents NA:*
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            2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
            3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
            4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
            5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
            6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	321.4	94.8	342	1	US-08-360-125-4	Sequence 4, Appli
2	321.4	94.8	342	2	US-08-450-578-4	Sequence 4, Appli
3	321.4	94.8	342	2	US-09-017-628-4	Sequence 4, Appli
4	321.4	94.8	342	2	US-09-014-880-4	Sequence 4, Appli
5	321.4	94.8	342	1	US-08-450-363-4	Sequence 4, Appli
6	319	94.1	360	1	US-08-026-320A-3	Sequence 3, Appli
7	314	92.6	1028	4	US-08-961-309-67	Sequence 67, Appl
8	314	92.6	1330	4	US-08-463-903-5	Sequence 5, Appli
9	314	92.6	1330	4	US-07-935-695-5	Sequence 5, Appli
10	314	92.6	1330	4	US-08-961-309-65	Sequence 65, Appl
11	312.4	92.2	1027	4	US-08-463-903-19	Sequence 19, Appl
12	312.4	92.2	1027	4	US-07-935-695-19	Sequence 19, Appl
13	312.4	92.2	1359	4	US-08-961-309-69	Sequence 69, Appl
14	311.6	91.9	423	4	US-09-582-337-15	Sequence 15, Appl
15	310.2	91.5	1088	4	US-08-961-309-57	Sequence 57, Appl
16	309.2	91.2	1361	4	US-08-463-903-21	Sequence 21, Appl
17	309.2	91.2	1361	4	US-07-935-695-21	Sequence 21, Appl
18	308.6	91.0	1088	3	US-08-463-903-3	Sequence 3, Appli
19	308.6	91.0	1088	4	US-07-935-695-3	Sequence 3, Appli
20	308.6	89.0	836	3	US-08-463-903-1	Sequence 1, Appli
21	301.6	89.0	836	4	US-07-935-695-1	Sequence 1, Appli
22	301.6	89.0	836	4	US-08-961-309-63	Sequence 63, Appl
23	292.6	86.3	342	4	US-09-274-163E-1	Sequence 1, Appli
24	292.4	86.3	302	3	US-08-724-752-6	Sequence 6, Appli
25	292.4	86.3	302	4	US-08-923-138-14	Sequence 14, Appl
26	291	85.8	343	3	US-09-274-163E-3	Sequence 3, Appli
27	291	85.8	343	4	US-09-274-163E-5	Sequence 5, Appli
28	284	83.8	470	3	US-08-724-752-13	Sequence 13, Appl
29	281.4	83.0	470	3	US-08-828-741B-10	Sequence 10, Appl
30	281.4	83.0	470	4	US-09-160-567-10	Sequence 10, Appl
31	281.4	83.0	470	4	US-09-710-299-10	Sequence 10, Appl
32	281.4	83.0	470	4	US-09-509-031-10	Sequence 10, Appli
33	281.4	83.0	1031	3	US-08-828-741B-5	Sequence 5, Appli
34	281.4	83.0	1031	4	US-09-160-567-5	Sequence 5, Appli
35	281.4	83.0	1031	4	US-09-710-299-5	Sequence 5, Appli
36	281.4	83.0	1031	4	US-09-509-031-5	Sequence 5, Appli
37	281.4	83.0	1490	3	US-08-828-741B-3	Sequence 3, Appli
38	281.4	83.0	1490	4	US-09-160-567-3	Sequence 3, Appli
39	281.4	83.0	1490	4	US-09-710-299-3	Sequence 3, Appli
40	281.4	83.0	1490	4	US-09-509-031-3	Sequence 3, Appli
41	268.6	79.2	339	5	PCT-US93-08435-7	Sequence 7, Appli
42	267	78.8	339	5	PCT-US93-08435-5	Sequence 5, Appli
43	254.2	75.0	339	1	US-08-467-420A-20	Sequence 20, Appl
44	254.2	75.0	339	1	US-08-470-110A-20	Sequence 20, Appl
45	254.2	75.0	339	1	US-08-667-769A-20	Sequence 20, Appl

ALIGNMENTS

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RESULT 1
US-08-360-125-4
; Sequence 4, Application US/08360125
; Patent No. 5767246
; GENERAL INFORMATION:
;  APPLICANT: Saiko HOSOKAWA
;  APPLICANT: Toshiaki TAGAWA
;  APPLICANT: Yoko HIRAKAWA
;  APPLICANT: No. 5767246ihiko ITO
;  APPLICANT: Kazuhiro NAGAIKE
;  TITLE OF INVENTION: Human Monoclonal Antibody
;  TITLE OF INVENTION: Specifically Binding to Surface Antigen of Cancer
;  TITLE OF INVENTION: Cell Membrane
;  NUMBER OF SEQUENCES: 42
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: Wenderoth, Lind & Ponack
;  STREET: 805 Fifteenth Street, N.W., #700
;  CITY: Washington
;  STATE: D.C.
;  COUNTRY: U.S.A.
;  ZIP: 20005
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
;  COMPUTER: IBM Compatible
;  OPERATING SYSTEM: MS-DOS
;  SOFTWARE: WordPerfect 5.1
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/08/360,125
;  FILING DATE:
;  CLASSIFICATION: 424
;  PRIOR APPLICATION DATA:
;  APPLICATION NUMBER: 07/905,534
;  FILING DATE: June 29, 1992
;  APPLICATION NUMBER:
;  FILING DATE:
;  ATTORNEY/AGENT INFORMATION:
;  NAME: Warren M. Cheek, Jr.
;  REGISTRATION NUMBER: 33,367
;  REFERENCE/DOCKET NUMBER:
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: 202-371-8850
;  TELEFAX:
;  TELEX:
;  INFORMATION FOR SEQ ID NO: 4:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 342 base pairs
;  TYPE: nucleic acid
;  STRANDEDNESS: double
;  TOPOLOGY: linear
;  MOLECULE TYPE: cDNA
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~ ;  ANTI-SENSE:
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~ ;  ORGANISM:
~ ;  STRAIN:
~ ;  INDIVIDUAL ISOLATE:
~ ;  DEVELOPMENTAL STAGE:
~ ;  HAPLOTYPE:
~ ;  TISSUE TYPE:
~ ;  CELL TYPE: Hybridoma producing human
~ ;  CELL TYPE:  antibody GAH
~ ;  CELL LINE:
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~ ;  IMMEDIATE SOURCE:
~ ;  LIBRARY:
~ ;  CLONE:
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~ ;  CHROMOSOME/SEGMENT:
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~ ;  UNITS:
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~ ;  NAME/KEY:
~ ;  LOCATION:
~ ;  IDENTIFICATION METHOD:
~ ;  OTHER INFORMATION:
~ ;  PUBLICATION INFORMATION:
~ ;  AUTHORS:
~ ;  TITLE:
~ ;  JOURNAL:
~ ;  VOLUME:
~ ;  ISSUE:
~ ;  PAGES:
~ ;  DATE:
~ ;  DOCUMENT NUMBER:
~ ;  FILING DATE:
~ ;  PUBLICATION DATE:
~ ;  RELEVANT RESIDUES IN SEQ ID NO:
US-08-360-125-4

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RESULT 2
US-08-450-578-4
; Sequence 4, Application US/08450578
; Patent No. 5837845
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~ ;  GENERAL INFORMATION:
~ ;  APPLICANT:  Saiko HOSOKAWA
~ ;  APPLICANT:  Toshiaki TAGAWA
~ ;  APPLICANT:  Yoko HIRAKAWA
~ ;  APPLICANT:  No. 583784Sihiko ITO
~ ;  APPLICANT:  Kazuhiro NAGAIKE
~ ;  TITLE OF INVENTION:  Human Monoclonal Antibody
~ ;  TITLE OF INVENTION:  Specifically Binding to Surface Antigen of Cancer
~ ;  TITLE OF INVENTION:  Cell Membrane
~ ;  NUMBER OF SEQUENCES:  42
~ ;  CORRESPONDENCE ADDRESS:
~ ;  ADDRESSEE:  Wenderoth, Lind & Ponack
~ ;  STREET:  805 Fifteenth Street, N.W., #700
~ ;  CITY:  Washington
~ ;  STATE:  D.C.
~ ;  COUNTRY:  U.S.A.
~ ;  ZIP:  20005
~ ;  COMPUTER READABLE FORM:
~ ;  MEDIUM TYPE:  Diskette, 5.25 inch, 500 kb
~ ;  COMPUTER:  IBM Compatible
~ ;  OPERATING SYSTEM:  MS-DOS
~ ;  SOFTWARE:  WordPerfect 5.1
~ ;  CURRENT APPLICATION DATA:
~ ;  APPLICATION NUMBER:  US/08/450,578
~ ;  FILING DATE:  May 25, 1995
~ ;  CLASSIFICATION:  435
~ ;  PRIOR APPLICATION DATA:
~ ;  APPLICATION NUMBER:  08/360,125
~ ;  FILING DATE:  December 20, 1994
~ ;  PRIOR APPLICATION DATA:
~ ;  APPLICATION NUMBER:  07/905,534
~ ;  FILING DATE:  June 29, 1992
~ ;  ATTORNEY/AGENT INFORMATION:
~ ;  NAME:  Warren M. Cheek, Jr.
~ ;  REGISTRATION NUMBER:  33,367
~ ;  REFERENCE/DOCKET NUMBER:
~ ;  TELECOMMUNICATION INFORMATION:
~ ;  TELEPHONE:  202-371-8850
~ ;  TELEFAX:
~ ;  TELEX:
~ ;  INFORMATION FOR SEQ ID NO:  4:
~ ;  SEQUENCE CHARACTERISTICS:
~ ;  LENGTH:  342 base pairs
~ ;  TYPE:  nucleic acid
~ ;  STRANDEDNESS:  double
~ ;  TOPOLOGY:  linear
~ ;  MOLECULE TYPE:  cDNA
~ ;  HYPOTHETICAL:
~ ;  ANTI-SENSE:
~ ;  FRAGMENT TYPE:
~ ;  ORIGINAL SOURCE:
~ ;  ORGANISM:
~ ;  STRAIN:
~ ;  INDIVIDUAL ISOLATE:
~ ;  DEVELOPMENTAL STAGE:
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~ ;  CELL TYPE:  Hybridoma producing human
~ ;  CELL TYPE:  antibody GAH
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~ ;  ORGANELLE:
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~ ;  IDENTIFICATION METHOD:
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          Copyright (c) 1993 - 2004 Compugen Ltd.

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                  Gapop 10.0 , Gapext 1.0

Searched:         2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters:      4876514

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                  Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Match Length	DB	ID	Description	
1	285.2	77.5	1431	14	US-10-225-108A-15	Sequence 15, Appl
2	285.2	77.5	1431	15	US-10-461-148-8	Sequence 8, Appli
3	284.8	77.4	354	14	US-10-300-675-5	Sequence 5, Appli
4	284.8	77.4	354	14	US-10-300-675-9	Sequence 9, Appli
5	284.8	77.4	354	14	US-10-300-675-13	Sequence 13, Appl
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7	277.6	75.4	495	9	US-09-925-299-92	Sequence 92, Appl
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9	276.8	75.2	723	14	US-10-151-882-9	Sequence 9, Appli
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12	274	74.5	1599	9	US-09-954-456-1604	Sequence 1604, Ap
13	274	74.5	1599	10	US-09-960-706-704	Sequence 704, App
14	274	74.5	1599	10	US-09-873-319-445	Sequence 445, App
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16	272.2	74.0	1884	13	US-10-047-542-61	Sequence 61, Appl
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22	268	72.8	735	14	US-10-151-882-3	Sequence 3, Appli
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24	265.4	72.2	354	12	US-10-221-529-1	Sequence 1, Appli
25	265.4	72.1	396	9	US-09-811-737-12	Sequence 12, Appl
26	265.4	72.1	782	9	US-09-811-737-22	Sequence 22, Appl
27	263.6	71.6	717	14	US-10-151-882-11	Sequence 11, Appl
28	263.6	71.6	744	14	US-10-151-882-7	Sequence 7, Appli
29	262.8	71.4	744	14	US-10-151-882-5	Sequence 5, Appli
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31	255.4	69.4	384	14	US-10-203-754A-21	Sequence 21, Appl
32	255.4	69.4	900	14	US-10-203-754A-26	Sequence 26, Appl
33	255.4	69.4	900	14	US-10-203-754A-27	Sequence 27, Appl
34	255.4	69.4	900	14	US-10-203-754A-28	Sequence 28, Appl
35	255.4	69.4	915	14	US-10-203-754A-29	Sequence 29, Appl
36	255.4	69.4	1428	14	US-10-203-754A-40	Sequence 40, Appl
37	254.4	69.1	370	14	US-10-330-613-23	Sequence 23, Appl
38	254.4	69.1	370	14	US-10-330-530-23	Sequence 23, Appl
39	253.8	69.0	384	14	US-10-203-754A-35	Sequence 35, Appl
40	253.8	69.0	900	14	US-10-203-754A-36	Sequence 36, Appl
41	253.8	69.0	900	14	US-10-203-754A-37	Sequence 37, Appl
42	253.8	69.0	900	14	US-10-203-754A-38	Sequence 38, Appl
43	253.8	69.0	900	14	US-10-203-754A-62	Sequence 62, Appl
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ALIGNMENTS

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RESULT 1
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;  Publication No. US20030157712A1
;  GENERAL INFORMATION:
;  APPLICANT: HOOPER, Craig
;  APPLICANT: DIETZSCHOLD, Bernhard
;  TITLE OF INVENTION: Recombinant Antibodies, and Compositions
;  TITLE OF INVENTION: and Methods for Making Them
;  FILE REFERENCE: 8321-110
;  CURRENT APPLICATION NUMBER: US/10/225,108A
;  CURRENT FILING DATE:   2003-04-10
;  PRIOR APPLICATION NUMBER: US 09/848,832
;  PRIOR FILING DATE: 2001-05-04
;  PRIOR APPLICATION NUMBER: US 60/204,518
;  PRIOR FILING DATE: 2001-05-16
;  PRIOR APPLICATION NUMBER: US 60/314,023
;  PRIOR FILING DATE: 2001-08-21
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: FastSEQ for Windows Version 4.0
;  SEQ ID NO 15
;    LENGTH: 1431
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-10-225-108A-15

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; Publication No. US2003019863A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffry D.
; TITLE OF INVENTION: Tumor Specific Monoclonal Antibodies
; FILE REFERENCE: P-IX 5519
; CURRENT APPLICATION NUMBER: US/10/300,675
; CURRENT FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: US 09/989,901
; PRIOR FILING DATE: 2001-11-19
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 5
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
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Best Local Similarity   88.6%; Pred. No. 2.5e-86;
Matches 326; Conservative   0; Mismatches 27; Indels 15; Gaps   1;

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RESULT 4
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; Publication No. US2003019863A1
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; APPLICANT: Watkins, Jeffry D.
; TITLE OF INVENTION: Tumor Specific Monoclonal Antibodies
; FILE REFERENCE: P-IX 5519

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Db   419 CCCTGGTCACCGTCCTCA 438

RESULT 2
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; GENERAL INFORMATION:
; APPLICANT: Dietzschold, Bernhard
; APPLICANT: Hooper, Douglas C.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES AND COMPOSITIONS
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THE SAME
; FILE REFERENCE: 8321-110C11-185585
; CURRENT APPLICATION NUMBER: US/10/461,148
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 10/225,108
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/314,023
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/848,832
; PRIOR FILING DATE: 2001-05-04
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; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 8
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Human
US-10-461-148-8

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Best Local Similarity   86.8%; Pred. No. 2.7e-86;
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Qy   241 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGATCCCG 300
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                    GenCore version 5.1.6
          Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:    March 20, 2004, 08:27:41 ; Search time 21.419 Seconds
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Title:          US-09-627-896B-29
Perfect score:  368
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Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:       682709 seqs, 277747446 residues

Total number of hits satisfying chosen parameters:      1365418

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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                 Listing first 45 summaries

Database :    Issued Patents NA:*
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                              SUMMARIES

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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1	293.2	79.7	2287	1	US-08-480-036-1	Sequence 1, Appli
2	293.2	79.7	2287	1	US-08-461-968A-1	Sequence 1, Appli
3	293.2	79.7	2287	1	US-08-462-571-1	Sequence 1, Appli
4	293.2	79.7	2287	4	US-08-472-888A-1	Sequence 1, Appli
5	293.2	79.7	2287	5	PCT-US96-10043-8	Sequence 8, Appl
6	282.4	76.7	369	2	US-08-652-816A-46	Sequence 46, Appl
7	280.8	76.3	369	2	US-08-652-816A-44	Sequence 44, Appl
8	280.8	76.3	812	1	US-07-834-539A-53	Sequence 53, Appl
9	280.8	76.3	812	3	US-09-800-353-53	Sequence 53, Appl
10	280.8	76.3	812	3	US-09-042-353-231	Sequence 231, App
11	280.8	76.3	812	4	US-08-758-417A-79	Sequence 79, Appl
12	280.8	76.3	812	5	PCT-US92-06185-53	Sequence 53, Appl
13	280.8	76.3	813	1	US-08-053-131-61	Sequence 61, Appl
14	280.8	76.3	813	1	US-08-645-641-61	Sequence 61, Appl
15	280.8	76.3	813	1	US-07-853-408B-61	Sequence 61, Appl
16	280.8	76.3	813	2	US-08-096-762-61	Sequence 61, Appl
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19	279.2	75.9	369	2	US-08-652-816A-45	Sequence 45, Appl
20	277.6	75.4	369	2	US-08-652-816A-47	Sequence 47, Appl
21	277.4	75.4	454	4	US-09-220-132-98	Sequence 98, Appl
22	274	74.5	1599	2	US-09-023-655-1120	Sequence 1120, Appl
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27	250.4	68.0	6166	3	US-08-591-632-51	Sequence 51, Appl
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29	250.2	68.0	441	1	US-08-217-918-3	Sequence 3, Appli
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36	236.4	64.2	564	3	US-08-545-809A-8	Sequence 8, Appl
37	236	64.1	539	3	US-08-545-809A-18	Sequence 18, Appl
38	234.4	63.7	799	3	US-08-545-809A-46	Sequence 46, Appl
39	233.2	63.4	246	3	US-09-042-353-146	Sequence 146, App
40	233.2	63.4	246	4	US-08-758-417A-410	Sequence 410, App
41	232.8	63.3	936	3	US-09-049-672A-26	Sequence 26, Appl
42	231.2	62.8	512	3	US-08-545-809A-2	Sequence 2, Appli
43	230	62.5	395	1	US-08-482-882-85	Sequence 85, Appl
44	230	62.5	395	1	US-08-483-389-85	Sequence 85, Appl
45	230	62.5	395	2	US-08-487-113D-85	Sequence 85, Appl

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                              ALIGNMENTS

RESULT 1
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; Sequence 1, Application US/08480036
; Patent No. 5723583
; GENERAL INFORMATION:
;  APPLICANT:  Seed, Brian et al.
;  TITLE OF INVENTION:  INHIBITION OF CELL ADHESION
;  TITLE OF INVENTION:  PROTEIN-CARBOHYDRATE
;  TITLE OF INVENTION:  INTERACTIONS
;  NUMBER OF SEQUENCES:  4
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  Fish & Richardson
;   STREET:  225 Franklin Street
;   CITY:  Boston
;   STATE:  Massachusetts
;   COUNTRY:  U.S.A.
;   ZIP:  02110-2804
;  COMPUTER-READABLE FORM:
;   MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;   COMPUTER:  IBM PS/2 Model 50Z or 55SX
;   OPERATING SYSTEM:  IBM P.C. DOS (Version 5.00)
;   SOFTWARE:  WordPerfect (Version 5.1)
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/480,036
;   FILING DATE:
;   CLASSIFICATION:  424
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  US/07/618,314C
;   FILING DATE:  No. 5723583ember 23, 1990
;  ATTORNEY/AGENT INFORMATION:
;   NAME:  Clark, Paul T.
;   REGISTRATION NUMBER:  30,162
;   REFERENCE/DOCKET NUMBER:  00786/067001
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (617) 542-5070
;   TELEFAX:  (617) 542-8906
;   TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  1:
;   SEQUENCE CHARACTERISTICS:
;    LENGTH:  2287
;    TYPE:  nucleic acid
;    STRANDEDNESS:  single
;    TOPOLOGY:  linear
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US-08-480-036-1

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Best Local Similarity 88.2%; Pred. No. 3.7e-86;
Matches 335; Conservative 0; Mismatches 33; Indels 12; Gaps 1;

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; Sequence 1, Application US/08461968A
; Patent No. 5801044
; GENERAL INFORMATION:
;   APPLICANT: Seed et al., Brian
;   TITLE OF INVENTION: INHIBITION OF CELL ADHESION
;   TITLE OF INVENTION: PROTEIN-CARBOHYDRATE INTERACTIONS
;   NUMBER OF SEQUENCES: 5
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson P.C.
;   STREET: 225 Franklin Street
;   CITY: Boston
;   STATE: MA
;   COUNTRY: USA
;   ZIP: 0210-2804
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/461,968A
;   FILING DATE: 05-JUN-1995
;   CLASSIFICATION: 536
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/618,314
;   FILING DATE: 23-NOV-1990
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Lech, Karen F.
;   REGISTRATION NUMBER: 35,238
;   REFERENCE/DOCKET NUMBER: 00786/067003
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617/542-5070
;   TELEFAX: 617/542-8906
;   TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 2287
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
US-08-461-968A-1

Query Match   79.7%; Score 293.2; DB 1; Length 2287;

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; Sequence 1, Application US/08462571
; Patent No. 5858983
; GENERAL INFORMATION:
;   APPLICANT: Seed, Brian et al.
;   TITLE OF INVENTION: INHIBITION OF CELL ADHESION
;   TITLE OF INVENTION: PROTEIN-CARBOHYDRATE INTERACTIONS
;   NUMBER OF SEQUENCES: 5
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson P.C.
;   STREET: 225 Franklin Street
;   CITY: Boston
;   STATE: Massachusetts
;   COUNTRY: U.S.A.
;   ZIP: 02110-2804
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;   COMPUTER: IBM PS/2 Model 502 or 55SX
;   OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
;   SOFTWARE: WordPerfect (Version 5.0)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/462,571
;   FILING DATE: 05 June 1995
;   CLASSIFICATION: 514
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/618,314
;   FILING DATE: 23 No. 5858983ember 1990
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Lech, Karen F.
;   REGISTRATION NUMBER: 35,238
;   REFERENCE/DOCKET NUMBER: 00786/067002
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617) 542-5070
;   TELEFAX: (617) 542-8906
;   TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 2287
;   TYPE: nucleic acid
;   STRANDEDNESS: single
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Mon Mar 22 06:28:06 2004

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                    GenCore version 5.1.6
          Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:     March 20, 2004, 08:34:11 ; Search time 101.5 Seconds
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Perfect score: 358
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Gapop 10.0 , Gapext 1.0

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description	
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3	243.8	68.1	357	14	US-10-120-377-72	Sequence 72, Appl
4	243.8	68.1	357	14	US-10-010-729-8	Sequence 8, Appli
5	243.8	68.1	414	15	US-10-309-764-130	Sequence 130, App
6	243	67.9	675	10	US-09-453-234-67	Sequence 67, Appl
7	242.2	67.7	414	15	US-10-309-764-134	Sequence 134, App
8	241.6	67.5	732	14	US-10-322-673-60	Sequence 60, Appl
9	241	67.3	402	9	US-09-811-737-7	Sequence 7, Appli
10	241	67.3	788	9	US-09-811-737-24	Sequence 24, Appli
11	240.6	67.2	414	14	US-10-401-344-5	Sequence 5, Appli
12	240.6	67.2	2002	14	US-10-401-344-1	Sequence 1, Appli
13	240	67.0	939	13	US-10-052-798-7	Sequence 7, Appli
14	240	67.0	939	14	US-10-288-917-7	Sequence 7, Appli
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No.	Score	%	DB	ID	Description
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18	239	66.8	15	US-10-309-764-126	Sequence 126, App
19	237.6	66.4	10	US-09-372-656-67	Sequence 67, Appl
20	237.4	66.3	15	US-10-338-366-51	Sequence 51, Appl
21	237.4	66.3	14	US-10-153-382-8	Sequence 8, Appli
22	237	66.2	14	US-10-324-493-15	Sequence 15, Appl
23	236.8	66.1	15	US-10-291-265-98	Sequence 98, Appl
24	236.2	66.0	15	US-10-173-551-13	Sequence 13, Appl
25	236	65.9	15	US-10-172-317-1	Sequence 1, Appli
26	236	65.9	14	US-10-320-094-1	Sequence 1, Appli
27	233.6	65.3	15	US-10-291-265-97	Sequence 97, Appl
28	233	65.1	14	US-10-153-382-1	Sequence 1, Appli
29	233	65.1	14	US-10-153-382-4	Sequence 4, Appli
30	233	65.1	14	US-10-153-382-12	Sequence 12, Appl
31	233	65.1	14	US-10-153-382-2	Sequence 2, Appli
32	233	65.1	14	US-10-235-175-78	Sequence 78, Appl
33	232.2	64.9	15	US-10-309-764-58	Sequence 58, Appl
34	232.2	64.9	15	US-10-309-764-70	Sequence 70, Appl
35	231.4	64.6	14	US-10-324-493-7	Sequence 7, Appli
36	231.4	64.6	14	US-10-041-860-55	Sequence 55, Appl
37	231	64.5	14	US-10-073-644C-1	Sequence 1, Appli
38	231	64.5	9	US-09-844-684-14	Sequence 14, Appl
39	231	64.5	14	US-10-040-244-14	Sequence 14, Appli
40	230.6	64.4	15	US-10-338-366-1	Sequence 1, Appli
41	230.6	64.4	10	US-09-927-122-41	Sequence 41, Appl
42 c	230.6	64.4	10	US-09-927-121B-89	Sequence 89, Appl
43 c	230.2	64.3	10	US-09-453-234-59	Sequence 59, Appl
44	230.2	64.3	10	US-09-453-234-91	Sequence 91, Appl
45	230.2	64.3	10	US-09-453-234-55	Sequence 55, Appl

ALIGNMENTS

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RESULT 1
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; Sequence 63, Application US/10322673
; Publication No. US20030180296A1
; GENERAL INFORMATION:
;  APPLICANT: Salcedo et al.
;  TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
;  TITLE OF INVENTION: Receptors
;  FILE REFERENCE: PF585
;  CURRENT APPLICATION NUMBER: US/10/322,673
;  CURRENT FILING DATE: 2002-12-19
;  PRIOR APPLICATION NUMBER: 60/341,237
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: 60/369,877
;  PRIOR FILING DATE: 2002-04-05
;  PRIOR APPLICATION NUMBER: 60/384,828
;  PRIOR FILING DATE: 2002-06-04
;  PRIOR APPLICATION NUMBER: 60/396,591
;  PRIOR FILING DATE: 2002-07-18
;  PRIOR APPLICATION NUMBER: 60/403,370
;  PRIOR FILING DATE: 2002-08-15
;  PRIOR APPLICATION NUMBER: 60/425,737
;  PRIOR FILING DATE: 2002-11-13
;  NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 63
;  LENGTH: 741
;  TYPE: DNA
;  ORGANISM: Artificial sequence
;  FEATURE:
;  OTHER INFORMATION: DNA encoding CM013F04 scFv
US-10-322-673-63

Query Match          74.5%;     Score 266.6; DB 14; Length 741;
Best Local Similarity 88.2%;    Pred. No. 3.6e-80;
Matches 313; Conservative 0; Mismatches 39; Indels 3; Gaps 2;

Qy    1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
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Db     4  GTGCAGCTCTGGTGGAGTCCGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC  63
          ||||||| |||||||||| |||||||||||| ||||||||||   |||   |||||||||||
Qy    61  TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA  119
          ||||||| |  ||||||||||    |||  ||  ||   |   |||||| || |||||||
Db    64  TGTGCAGCCTCTGGATTCACCTTTAGTAGTTATTGGATGAGTCGGTCCGCCAGGCTCCA  123

Qy   120  GGGAAGGGGCTGGAGTGGGTGGTGGCGGATTCACCATCTCCAGAGGCAACCATTATATGCG  179
          |||||||||||||||||||||| ||  |  |||| ||  ||||  |||
Db   124  GGGAAGGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATGTG  183

Qy   180  GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG  239
          |||||||||||||||||||||||| ||||||||  ||||||||||||||||||||||||
Db   184  GACTCTGTGAAGGGCCGATTCACCACCTCCAGAGACAACGCCAAGAACTCACTGTATCTG  243

Qy   240  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGGGGATCTGT  299
          |||||||||||||||||||||||||||||||||||||||||||||||
Db   244  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGTGTATTACTGTC  356

Qy   300  CTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCC  354
          |||    |||  ||  ||   ||||||| ||||||||||||||||||||||
Db   302  CTGGCTACGGTGACTACTTGGACTACTGGGGTCAGGGCAAGGGCACCACGGTCACCGTCTC  356
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RESULT 2
US-10-010-729-50
; Sequence 50, Application US/10010729
; Publication No. US2003018527A1
; GENERAL INFORMATION:
; APPLICANT: Rodriguez, Moses
; APPLICANT: Miller, David J.
; APPLICANT: Pease, Larry R.
; TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
; TITLE OF INVENTION: Therapeutic Uses Thereof Particularly in the Central Nervous
; TITLE OF INVENTION: System
; FILE REFERENCE: 1199-1-005CIP2
; CURRENT APPLICATION NUMBER: US/10/010,729
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 09/730,473
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/580,787
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/322,862
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/779,784
; PRIOR FILING DATE: 1999-01-07
; PRIOR APPLICATION NUMBER: 08/692,084
; PRIOR FILING DATE: 1996-08-08
; PRIOR APPLICATION NUMBER: 08/236,520
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 50
; LENGTH: 372
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-729-50

Query Match   69.0%; Score 247; DB 14; Length 372;
Best Local Similarity   83.5%; Pred. No. 1.3e-73;
Matches 308; Conservative 0; Mismatches 50; Indels 11; Gaps 2;

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Qy     1  GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC  60
          |||||||||||||||||| |||||||||  |||||||||| |||||||||||||||||||
Db     4  GTGCAGCTGGTGGAGTCTCGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC  63

Qy    61  TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA  119
          ||||||| |  ||||||||||    |||  ||  ||   |   ||||||  |||||||||
Db    64  TGTGCAGCCTCTGGATTCACCTTTAGTAGTTATTGGATGAGTCGGTCCGCCAGGCTCCA  123

Qy   120  GGGAAGGGGCTGGAGTGGGTGGTGGCGGATTCACCATCTCCAGAGGCAACCATTATATGCG  179
          ||||||||| ||||||||||||| |  || |||| ||  ||||| |||
Db   124  GGGAAGGGGCTGGAGTGGGTGGTGGCCAACATAAAGCAAGATGGAAGTGAGAAATACTATGTG  183
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Qy   180  GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG  239
          |||||||||||||||||||||||| ||||||||  ||||||||||||||||||||||||
Db   184  GACTCTGTGAAGGGCCGATTCACCACCTCCAGAGACAACGCCAAGAACTCACTGTATCTG  243

Qy   240  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGA---------  290
          |||||||||||||||||||||||||||||||||||||||||||||||
Db   244  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTGTTATTACTGCGGAGACCCCAATTGT  303

Qy   291  -GGGATCTGTCTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACC  349
          |    |  |||| |   ||  ||  ||   ||||||||||||  ||||||||||||||
Db   304  GGTGGTGGACTGCTATTTACCATGGTACTTCGATCTCTGGGGCCGTGCACCCTGGTCACT  363

Qy   350  GTCTCCTCA  358
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Db   364  GTCTCCTCA  372
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RESULT 3
US-10-120-377-72
; Sequence 72, Application US/10120377
; Publication No. US2003176674A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig, et al.
; TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
; FILE REFERENCE: PF112PB
; CURRENT APPLICATION NUMBER: US/10/120,377
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/283,391
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 60/317,600
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 357
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-120-377-72

Query Match   68.1%; Score 243.8; DB 14; Length 357;
Best Local Similarity   83.8%; Pred. No. 1.6e-72;
Matches 301; Conservative 0; Mismatches 52; Indels 6; Gaps 2;

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Qy     1  GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGGGGGTCCCTGAGACTCTCC  60
          |||||||||||||||||| |||||||||  |||| |||||| |||||||||||||||||||
Db     4  GTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC  63

Qy    61  TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA  119
          ||||||| |  ||||||||||    |||  ||  ||   |   ||||||  |||||||||
Db    64  TGTGCAGCCTCTGGATTCACCTTCAGTAGCTATGCTATGCTATGGGTCCGCCAGGCTCCA  123

Qy   120  GGGAAGGGGCTGGAGTGGGTGGTGGCGGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG  179
          || |||||||||||||||||||| ||  |  | | |||  ||| |  ||  || |
Db   124  GGCAAGGGGCTGGAGTGGGTGGTGCACTTATATATGGTGTAGTAATAAATACTATGCA  183

Qy   180  GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG  239
          ||||| |||||||||||||||||||||||||||  |||| || |||  |||| |||||||
Db   184  GACTCCGTGAAGGGCCGATTCACCATCTCCAGAGACAACACAATTCCAAGAACACGCGTATCTG  243

Qy   240  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAGGGGATCTGT  299
          |||||||||||||||||||||||||||||||||||||||||||||||||| ||
Db   244  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGGAGAG-----ACG  298

Qy   300  CTTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA  358
          |  |  ||| ||| | |  ||||||||||||||||||||||||||||||||||||||||
Db   299  GGTTTGGCAGTGCGTCGTTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA  357
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RESULT 4
US-10-010-729-8
; Sequence 8, Application US/10010729
; Publication No. US2003018527A1
; GENERAL INFORMATION:

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                    GenCore version 5.1.6
          Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:    March 20, 2004, 08:27:41 ; Search time 20.837 Seconds
                                (without alignments)
                           9534.601 Million cell updates/sec

Title:        US-09-627-896B-30
Perfect score:  358
Sequence:     1 gtgcagctggtggagtctgg........cctggtcaccgtctcctca 358

Scoring table:  IDENTITY_NUC
              Gapop 10.0 , Gapext 1.0

Searched:     682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:        1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Issued_Patents NA:*
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         3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
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         5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
         6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	243	67.9	675	4	US-09-456-090A-67	Sequence 67, Appl
2	240	67.0	877	3	US-08-545-809A-7	Sequence 7, Appli
3	240	67.0	939	4	US-09-079-029-7	Sequence 7, Appli
4	237.4	66.3	1395	4	US-09-472-087-28	Sequence 28, Appl
5	237.4	66.3	1395	4	US-09-472-087-57	Sequence 57, Appl
6	233	65.1	1392	4	US-09-472-087-27	Sequence 27, Appl
7	233	65.1	1392	4	US-09-472-087-30	Sequence 30, Appl
8	233	65.1	1392	4	US-09-472-087-53	Sequence 53, Appl
9	233	65.1	1392	4	US-09-472-087-55	Sequence 55, Appl
10	233	65.1	1392	4	US-09-472-087-59	Sequence 59, Appl
11	233	65.1	1999	4	US-09-472-087-54	Sequence 54, Appl
12	233	65.1	5925	4	US-09-315-926A-78	Sequence 78, Appl
13	230.2	64.3	675	4	US-09-456-090A-59	Sequence 59, Appl
14	230.2	64.3	675	4	US-09-456-090A-91	Sequence 91, Appl
15	230.2	64.3	677	4	US-09-456-090A-55	Sequence 55, Appl
16	228	63.7	375	3	US-09-240-274-89	Sequence 89, Appl
17	226.4	63.2	375	3	US-09-240-274-90	Sequence 90, Appl
18	225.8	63.1	1350	1	US-08-157-101A-9	Sequence 9, Appli
19	225.8	63.1	1576	1	US-08-157-101A-6	Sequence 6, Appli
20	225.4	63.0	375	3	US-09-240-274-91	Sequence 91, Appl
21	225.4	63.0	675	4	US-09-456-090A-107	Sequence 107, App
22	224.8	62.8	375	3	US-09-240-274-77	Sequence 77, Appl
23	223.8	62.5	675	4	US-09-456-090A-105	Sequence 105, App
24	223.6	62.5	381	3	US-09-240-274-88	Sequence 88, Appl
25	223.4	62.4	354	2	US-08-652-816A-22	Sequence 22, Appl
26	223	62.3	363	3	US-09-202-181-3	Sequence 3, Appli
27	222.6	62.2	432	1	US-08-026-320A-1	Sequence 1, Appli

28	222.2	62.1	675	4	US-09-456-090A-61	Sequence 61, Appl
29	222.2	62.1	675	4	US-09-456-090A-69	Sequence 69, Appl
30	222.2	62.1	675	4	US-09-456-090A-99	Sequence 99, Appl
31	222.2	62.1	675	4	US-09-456-090A-101	Sequence 101, App
32	222.2	62.1	675	4	US-09-456-090A-109	Sequence 109, App
33	222.2	62.1	892	4	US-09-273-839A-11	Sequence 11, Appl
34	221.6	61.9	375	3	US-09-240-274-92	Sequence 92, Appl
35	220.6	61.6	675	4	US-09-456-090A-57	Sequence 93, Appl
36	220.6	61.6	675	4	US-09-456-090A-93	Sequence 93, Appl
37	220.4	61.6	381	3	US-09-240-274-87	Sequence 87, Appl
38	219.4	61.3	360	2	US-08-428-197-21	Sequence 21, Appl
39	219.4	61.3	360	5	PCT-US93-10555-21	Sequence 21, Appl
40	218.4	61.0	363	3	US-08-599-226-37	Sequence 37, Appl
41	218.4	61.0	363	3	US-09-125-098-37	Sequence 37, Appl
42	218.4	61.0	363	4	US-09-540-018-37	Sequence 37, Appl
43	218.4	61.0	1413	4	US-09-472-087-61	Sequence 61, Appl
44	217.8	60.8	360	2	US-08-428-197-19	Sequence 19, Appl
45	217.8	60.8	360	2	US-08-958-201-7	Sequence 7, Appli

ALIGNMENTS

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RESULT 1
US-09-456-090A-67
; Sequence 67, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lonberg, Nils
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-00020US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
; LENGTH: 675
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(675)
; OTHER INFORMATION: M1-23H
US-09-456-090A-67

Query Match       67.9%;   Score 243;  DB 4;  Length 675;
Best Local Similarity   84.1%;   Pred. No. 5.5e-65;
Matches  302;  Conservative    0;  Mismatches   45;  Indels   12;  Gaps    2;

Qy      1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCTGAGACTCTCC  60
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Db      4 GTGCAGCTGGTGCAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCC  63

Qy     61 TGTTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACCAGCTGGGTACGCCAGGCTCCA  119
            ||||||||||| |||||||||||||  ||||||| ||||  |||||  ||| |||||||||
Db     64 TGTGCAGCGTCTCGGATTCACCTTCAGTAACTATGGCATGCACTGGGTCCGCCAGGCTCCA  123

Qy    120 GGGAAGGGGCTGGAGTGGGTTGGTTAATATAATGTGTTAATAATATAAGTGGAACCATACTATGCG  179
            |||||||||||||||||||||||||   |||||||||||||||||  |||||||||| |||||||
Db    124 GGCAAGGGGCTGGAGTGGGTGGCAGTTATATGGTATGATGGAAGTAAAAACATACAATGCA  183

Qy    180 GACTCCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTG  239
            ||||| |||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db    184 GACTCCGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCGCTGTATCTG  243

Qy    240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAGGGATCGT  299
            |||||||||||| || |||||| |||||| |||||| |||||||||||||||||
Db    244 CAAATGAACAGCCCGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGGAGAG------  295

Qy    300 CTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA  358
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Db  296  ---ATGGGATAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA 351
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RESULT 2
US-08-545-809A-7
; Sequence 7, Application US/0854580 9A
; Patent No. 6096878
; GENERAL INFORMATION:
;   APPLICANT: Honjo, Tasuku
;   APPLICANT: Matsuda, Fumihiko
;   TITLE OF INVENTION: HUMAN IMMUNOGLOBULIN VH GENE
;   TITLE OF INVENTION: SEGMENTS AND DNA FRAGMENTS CONTAINING THE SAME
;   NUMBER OF SEQUENCES: 145
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson, P.C.
;   STREET: 225 Franklin Street
;   CITY: Boston
;   STATE: MA
;   COUNTRY: US
;   ZIP: 02110-2804
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: Windows95
;   SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/545,809A
;   FILING DATE: 27-MAR-1996
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: PCT/JP93/00603
;   FILING DATE: 10-MAY-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Freeman, John W.
;   REGISTRATION NUMBER: 29,066
;   REFERENCE/DOCKET NUMBER: 06501/004001
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617-542-5070
;   TELEFAX: 617-542-8906
;   TELEX: 200154
; INFORMATION FOR SEQ ID NO: 7:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 877 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: Genomic DNA
;   ORIGINAL SOURCE:
;   ORGANISM: Homo sapiens
;   CELL TYPE: human lymphoblast
;   CELL LINE: CGM1
US-08-545-809A-7

Query Match   67.0%; Score 240; DB 3; Length 877;
Best Local Similarity 91.1%; Pred. No. 5e-64;
Matches 266; Conservative   0; Mismatches 25; Indels   1; Gaps   1;

Qy   1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 347 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 406

Qy   61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTCGGTACCCAGGCTCCA 119
            |||||||||| |||||||||||| ||| ||||||||||||| |||| ||||||||||||
Db 407 TGTGCAGCCTCTGGATTCACCTTTAGTAGCTATTGGATGAGCTCGGTCCGCGCCAGGCTCCA 466

Qy 120 GGGAAGGGGCTGGAGTGGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
            ||||||||||||||||||||| |||||||||||||| |||||| |||||||||||||
Db 467 GGGAAGGGGCTGGAGTGGGTGGTCCAACATAAAGCAAGAGTGAAGAATACTATGTG 526

Qy 180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCG 239
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 527 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTG 586

RESULT 3
US-09-079-029-7
; Sequence 7, Application US/09079029
; Patent No. 6342369
; GENERAL INFORMATION:
;   APPLICANT: Adams, Camilia W.
;   APPLICANT: Ashkenazi, Avi J.
;   APPLICANT: Chuntharapai, Anan
;   APPLICANT: Kim, Kyung J.
;   TITLE OF INVENTION: Apo-2 Receptor
;   NUMBER OF SEQUENCES: 14
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Genentech, Inc.
;   STREET: 1 DNA Way
;   CITY: South San Francisco
;   STATE: California
;   COUNTRY: USA
;   ZIP: 94080
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: WinPatin (Genentech)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/079,029
;   FILING DATE:
;   CLASSIFICATION:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Marschang, Diane L.
;   REGISTRATION NUMBER: 35,600
;   REFERENCE/DOCKET NUMBER: P1101R2
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 650/225-5416
;   TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 7:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 939 base pairs
;   TYPE: Nucleic Acid
;   STRANDEDNESS: Single
;   TOPOLOGY: Linear
US-09-079-029-7

Query Match   67.0%; Score 240; DB 4; Length 939;
Best Local Similarity 91.1%; Pred. No. 5.1e-64;
Matches 266; Conservative   0; Mismatches 25; Indels   1; Gaps   1;

Qy   1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 121 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 180

Qy   61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTCGGTACCCAGGCTCCA 119
            |||||||||| ||||||||||||| ||| |||||||||||||| |||| |||||||||||
Db 181 TGTGCAGCCTCTGGATTCACCTTTAGTAGCTATTGGATGAGCTCGGTCCGCGCCAGGCTCCA 240

Qy 120 GGGAAGGGGCTGGAGTGGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
            ||||||||||||||||||||| |||||||||||||| |||||| ||||||||||||
Db 241 GGGAAGGGGCTGGAGTGGGTGGTCCAACATAAAGCAAGATGGAAGTGAGAATACTATGTG 300

Qy 180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCG 239
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 301 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTG 360

Qy 240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAG 291
            ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 361 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAG 412

RESULT 4
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Qy  240  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAG 291
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Db  587  CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAG 638
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